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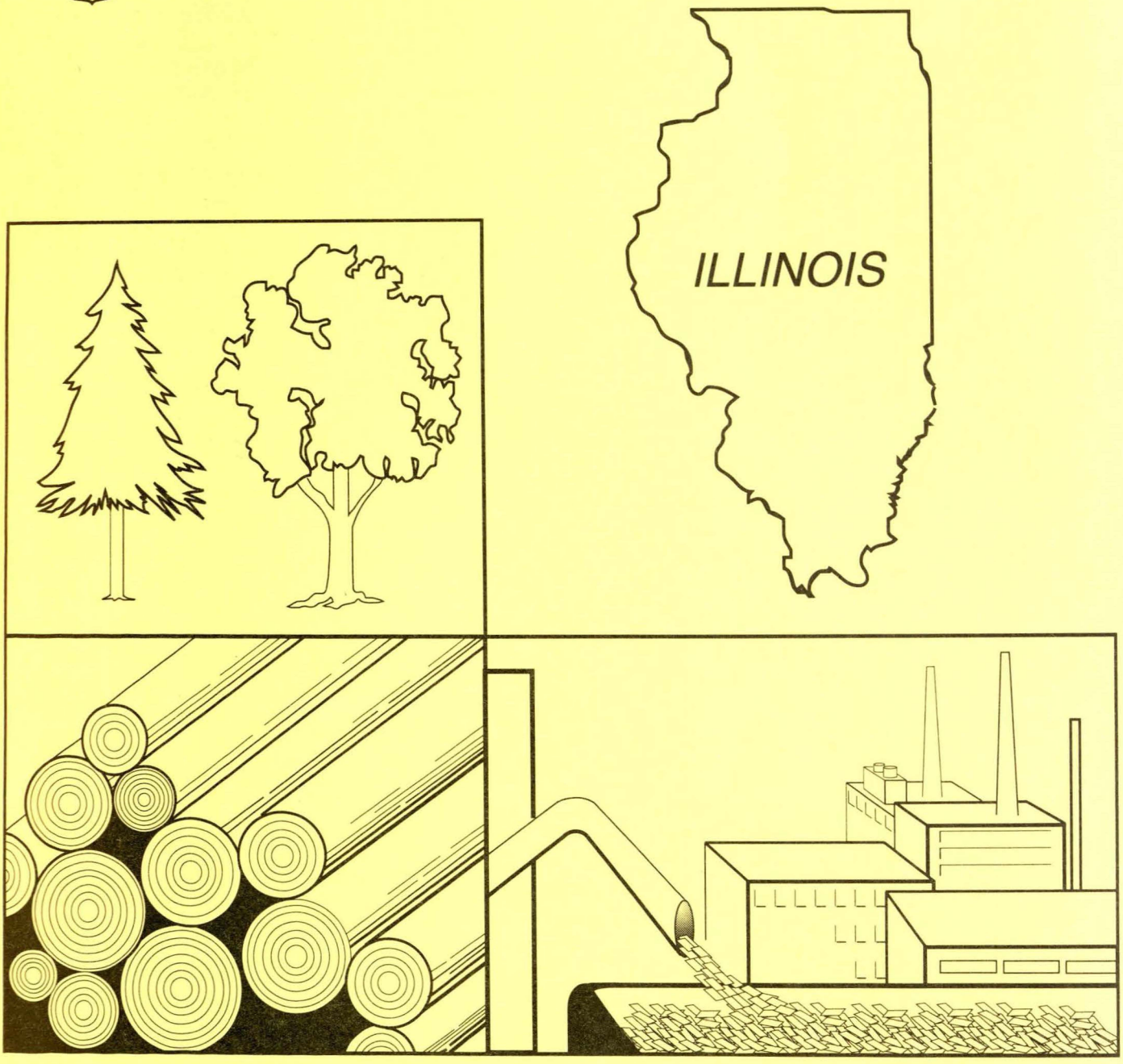
Illinois Timber Industry- An Assessment of Timber Product Output and Use, 1996

Ronald L. Hackett and John A. Sester



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FOREWORD

In this bulletin we discuss recent Illinois forest industry trends and report the results of a detailed study of forest industry, industrial roundwood production, and associated primary mill wood and bark residue in Illinois in 1996. Such detailed information is necessary for intelligent planning and decisionmaking in wood procurement, forest resource management, and forest industry development. Likewise, researchers need current forest industry and industrial roundwood information for planning projects.

Special thanks are given to the primary wood-using firms that supplied information for this study and to the Illinois Department of Conservation, which canvassed the respondents. Their cooperation is greatly appreciated.

All board foot data in this report have been converted to International 1/4-inch scale by applying a multiplier of 1.08 to all saw log volume reported in Scribner Decimal C scale by sawmills, a multiplier of 1.04 to all veneer log volume reported in Scribner Decimal C scale by veneer mills, a multiplier of 1.38 to all saw log volume reported in Doyle scale by sawmills, and a multiplier of 1.14 to all veneer log volume reported in Doyle scale by veneer mills.

The last published report from a detailed study of all industrial roundwood output in Illinois was in 1983. Most comparisons in this report are with the 1983 study results. Row and column data of tables may not sum due to rounding, but data in each table cell are accurately displayed.

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Illinois Timber Industry—An Assessment of Timber Product Output and Use, 1996

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HIGHLIGHTS

PRIMARY TIMBER INDUSTRY—INDUSTRIAL ROUNDWOOD

- In 1996, the primary wood-using industry in Illinois was comprised of 107 mills, including 102 sawmills, 1 veneer mill, and 4 miscellaneous other product mills (table 1).
- Most of the State's primary wood-using mills are located in the Claypan and Southern Units (figs. 1, 2).
- Between 1983 and 1996, the primary wood-using industry in Illinois decreased by 78 mills, most of which were small sawmills.
- In 1996, the primary wood-using industry in Illinois processed nearly 30 million cubic feet of roundwood, a decline of 8 percent or nearly 3 million cubic feet from 1983 (table 2).
- The State's 102 sawmills processed nearly 27 million cubic feet of saw logs in 1996, an increase of nearly 1 percent from 1983.
- Pulpwood production decreased from 4.5 million cubic feet in 1983 to 3.3 million cubic feet in 1996. However, from 1983 to 1996, veneer log and bolt production increased by nearly 38 percent to 0.7 million cubic feet (table 3).
- Hardwoods were the predominant species group produced in the State in 1996 with nearly 99 percent.
- In 1996, more than 42 million cubic feet of industrial roundwood was harvested from Illinois forests, an increase of more than 31 percent from 1983. Hardwoods increased an average of 39 percent during the same period; softwoods decreased by more than 74 percent—from 1,497 thousand cubic feet to 388 thousand cubic feet.
- The increase in hardwood production was associated with the increased use of white oak and soft maple saw logs. This was practically offset by the decreased use of pecan and sweetgum for saw logs.
- The 74-percent decrease in softwood production was associated with the decreased use of shortleaf pine for pulpwood.
- Saw logs remained the predominant roundwood product harvested from Illinois forests (fig. 3).
- Industrial roundwood production in Illinois was concentrated in the Claypan Unit, which provided 41 percent of the State's 1996 production. The Southern Unit provided another 33 percent of the industrial roundwood (fig. 4).
- The Claypan Unit provided nearly half of the saw logs in the State in 1996. The Prairie Unit furnished more than two-thirds of the veneer logs and bolts and nearly one-third of the pulpwood for the same period. The Southern Unit provided nearly 60 percent of the pulpwood and more than one-quarter of the saw-log production in the State.

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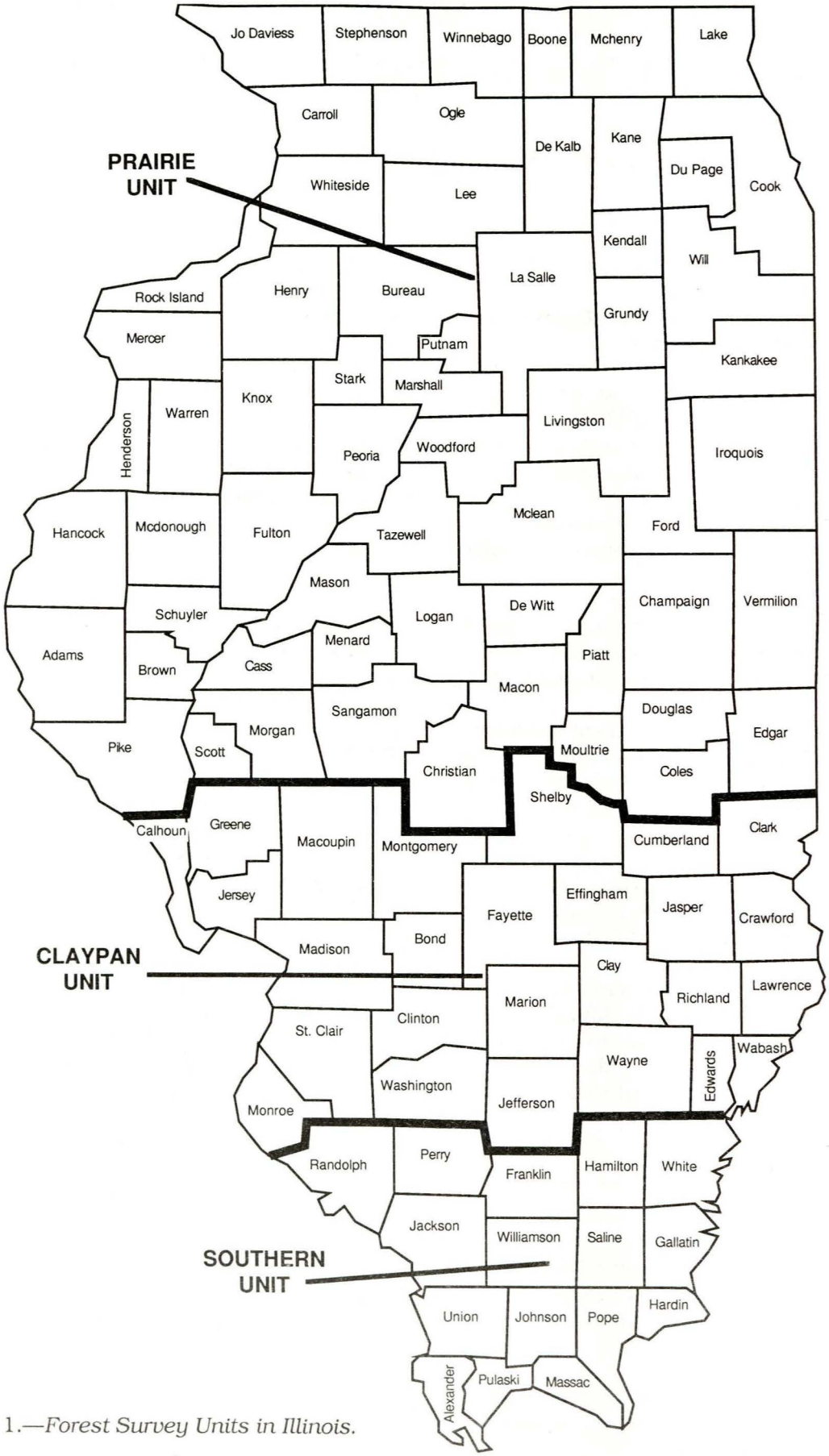

Figure 1.—*Forest Survey Units in Illinois.*

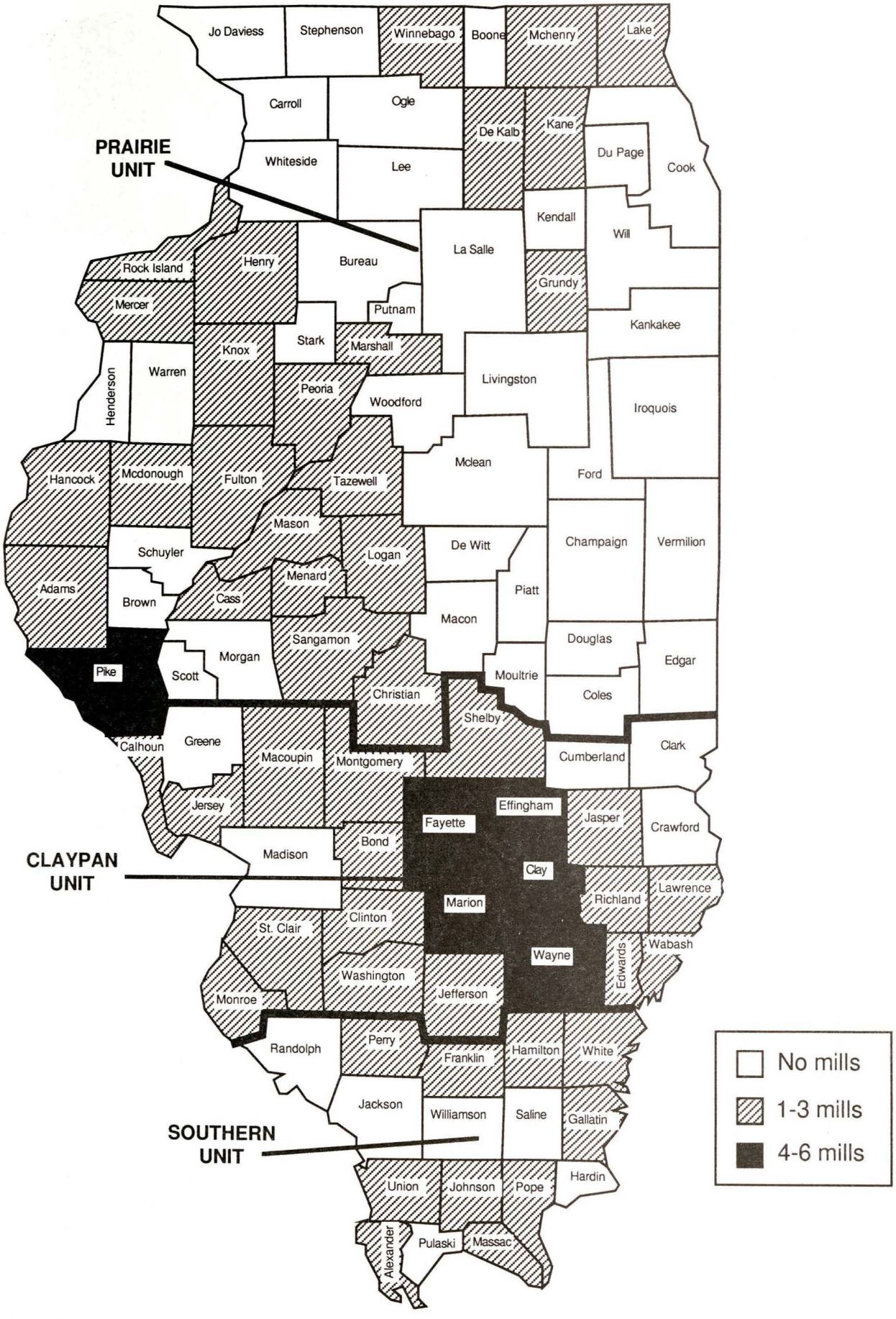

Figure 2.—*Number of primary wood-using mills by county, Illinois, 1996.*

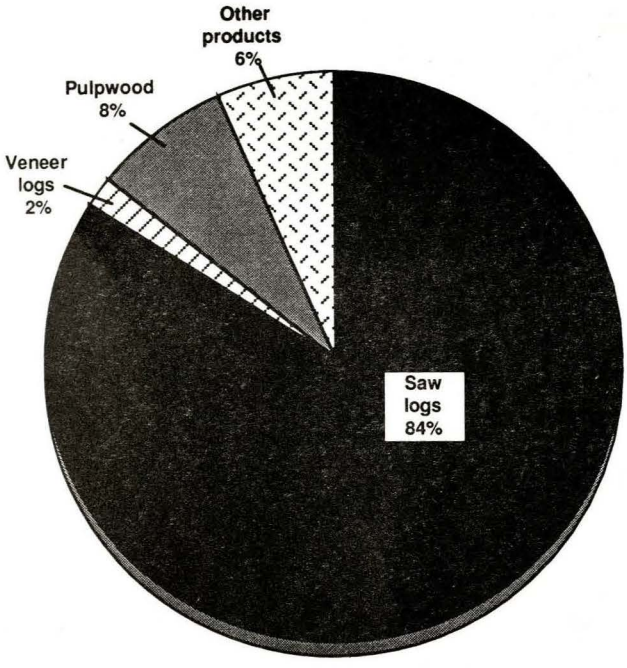

Figure 3.—*Distribution of industrial roundwood production by product, Illinois, 1995.*

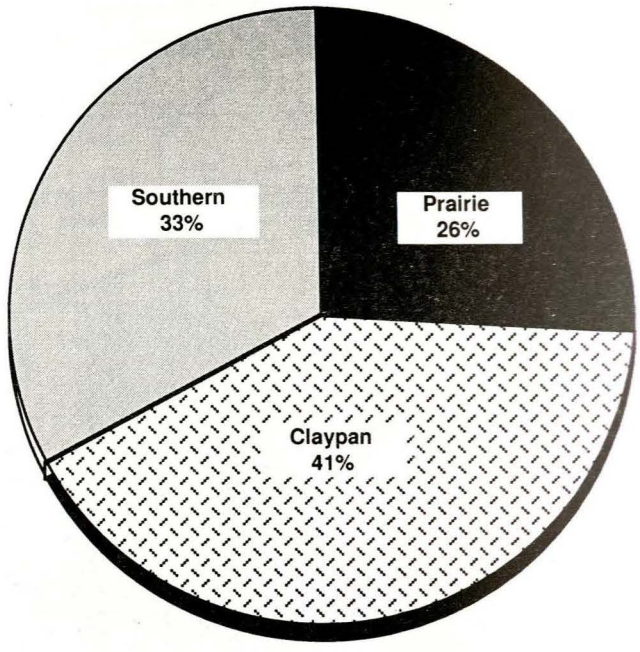

Figure 4.—*Distribution of industrial roundwood production by Forest Survey Unit, Illinois, 1995.*

SAW LOGS

- Loggers harvested more than 214 million board feet of saw logs from Illinois forests in 1996, up more than a third (54 million board feet) from 1983 (table 4).

- Most of the increase was associated with white oak, soft maple, red oak, and ash.

- Saw-log receipts also increased nearly 10 percent with most of the increase associated with white oak, soft maple, and ash.

- Major saw-log producing counties with more than 8 million board feet each were Fayette, Macoupin, Marion, and Wayne (table 5).

- Illinois sawmills processed more than 73 percent of the State's production of saw logs (table 6, fig. 5). The remainder was exported to Indiana, Missouri, Iowa, Kentucky, and Wisconsin.

- Indiana and Missouri were the two largest recipients of Illinois saw logs. Red and white oak and yellow-poplar were the largest species exported to Indiana. Missouri received nearly 21 million board feet, mostly red and white oak and cottonwood, from Illinois in 1996. Illinois loggers sent 6.5 million board feet, mostly red and white oak and cottonwood, to Iowa in 1996. Kentucky received 5.5 million board feet, mostly red and white oak and yellow-poplar, from Illinois.

- The Claypan Unit provided nearly 19 million board feet of saw logs to Indiana and Missouri. The Prairie Unit provided nearly 12 million board feet to Iowa, Missouri, Wisconsin, and Indiana in 1996. More than 27 million board feet of saw logs were shipped to Indiana, Missouri, and Kentucky from the Southern Unit.

- Illinois supplied more than 97 percent of the saw-log volume needed by its sawmills in 1996 (table 7). The remainder was imported from Missouri, Wisconsin, and Iowa.

VENEER LOGS

- Between 1983 and 1996, veneer log production in Illinois increased by more than a third to over 5 million board feet (table 8).

- Red oak veneer log production declined by 25 percent between 1983 and 1996; this was offset by increases in white oak, black

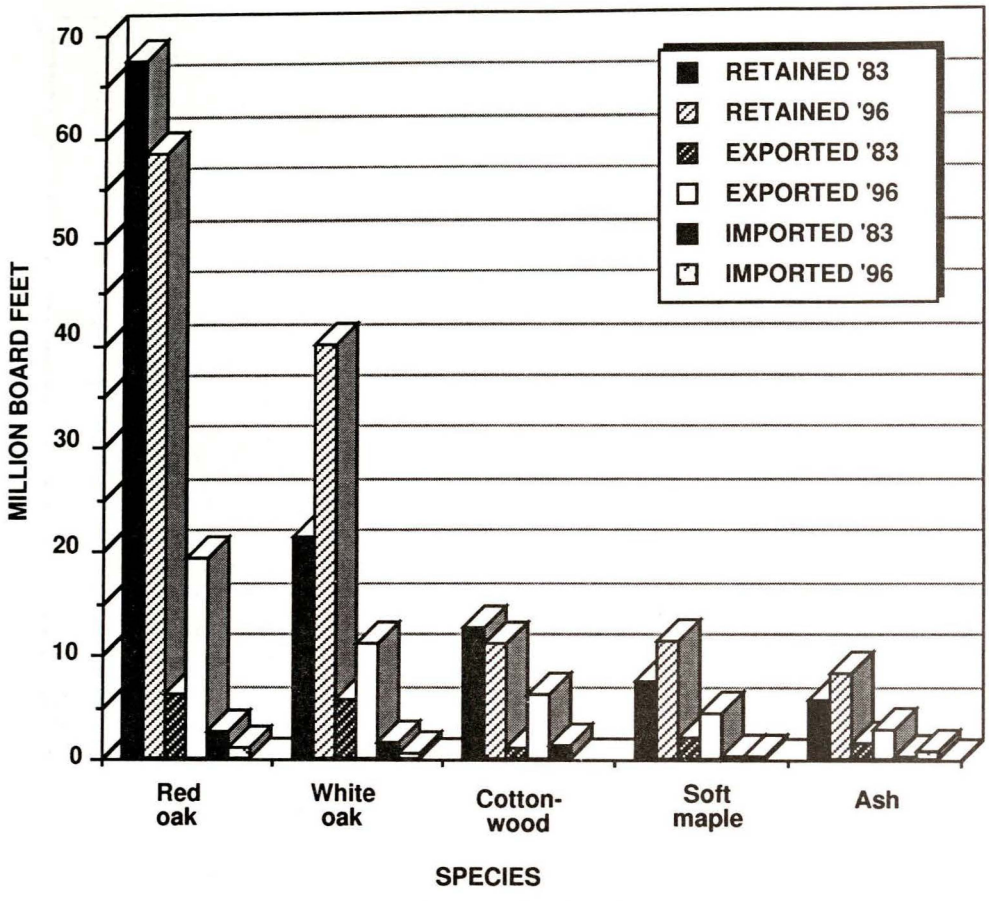

Figure 5.—*Saw-log production exported (mills outside Illinois), imported, and retained by select species in Illinois, 1990 and 1995.*

walnut, yellow-poplar, and hard maple for the same time period (fig. 6).

- Illinois retained more than 17 percent of the veneer log volume it harvested in 1996 (table 9). The remaining 83 percent was shipped out of State for processing, mostly to neighboring Indiana and Missouri. Approximately 750 thousand board feet were shipped overseas to Europe and the Pacific Rim.

- Red and white oak and black walnut were the three main species exported from Illinois' forest land to nearby States and overseas in 1996.

- More than two-thirds of all veneer log and bolt volume was produced in the Prairie Unit.

- The following counties in Illinois—Adams, Fulton, Jo Daviess, Pike, Rock Island, and Schuyler—produced more than 300 thousand board feet of veneer logs and bolts in 1996 (table 10).

- Red and white oak, black cherry, and hard maple make up nearly two-thirds of the veneer log volume processed in the State. More than 68 percent of these four species combined were imported from neighboring States and from other States outside the region.

PULPWOOD

- Illinois pulpwood production (including both roundwood and mill residues generated by the State's other primary wood-using industries) has been steady over time (table 11, fig. 7).

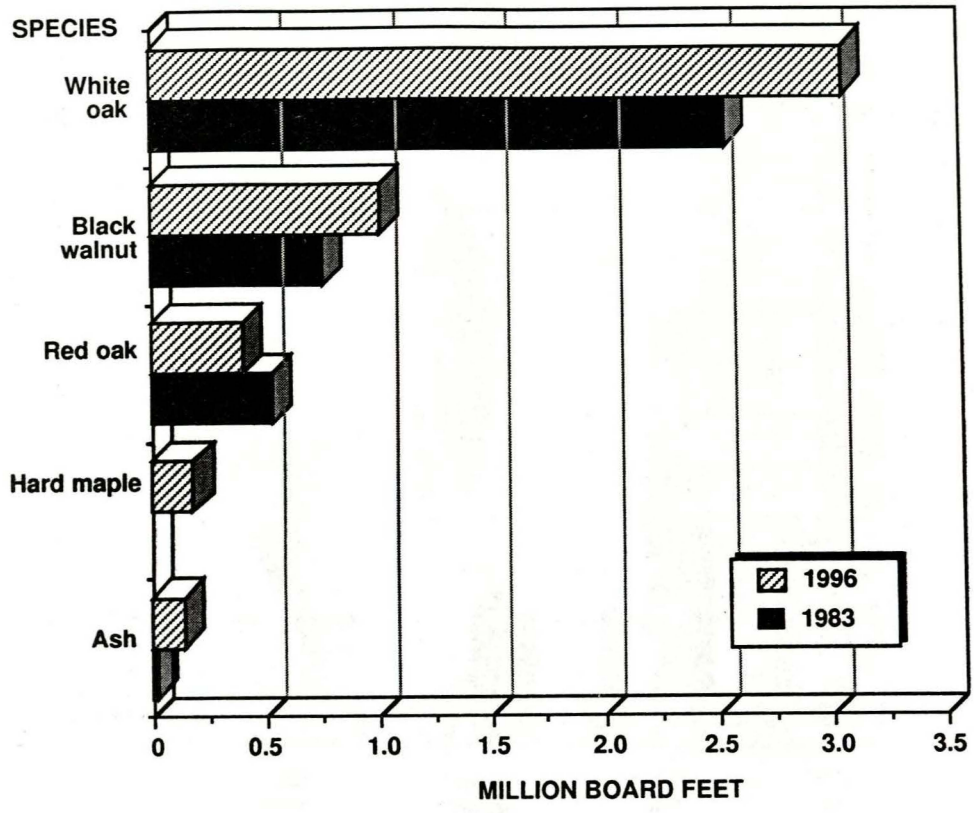

Figure 6.—*Veneer log and bolt production by select species in Illinois, 1983 and 1996.*

- In 1996, pulpwood production in Illinois totaled nearly 95 thousand cords of roundwood and mill residues, a 4-percent increase from 1983. Much of the increase was concentrated in hardwood residues.
- Mill residues supplied more than 55 percent of the pulpwood produced in 1996.
- Illinois is a gross exporter of the State's production of pulpwood. Most softwood roundwood was shipped to the Southern States with some going to the Lake States. Soft hardwood roundwood was predominately shipped to the Southern States with some going to Indiana, Iowa, and Missouri. Hard hardwood roundwood was shipped mainly to Indiana and Iowa, with some

Table A.—*Illinois pulpwood production by product form, species group, and destination, 1996*[1]

Forest Survey Regions	Roundwood				Residues			All wood material
	Soft-woods	Soft hard-woods	Hard hard-woods	Total	Soft-woods	Hard-woods	Total	
	(In standard cords, unpeeled)							
Central States	—	8.8	6.0	14.8	—	38.6	38.6	53.4
Lake States	1.8	—	—	1.8	—	—	—	1.8
Southern States	2.3	20.0	2.5	24.8	*	14.8	14.8	39.6
Total	4.1	28.8	8.5	41.4	*	53.4	53.4	94.9

* = Less than 50 cords.

[1] Pulpwood Production in the North-Central Region, 1996, RB-NC-190.

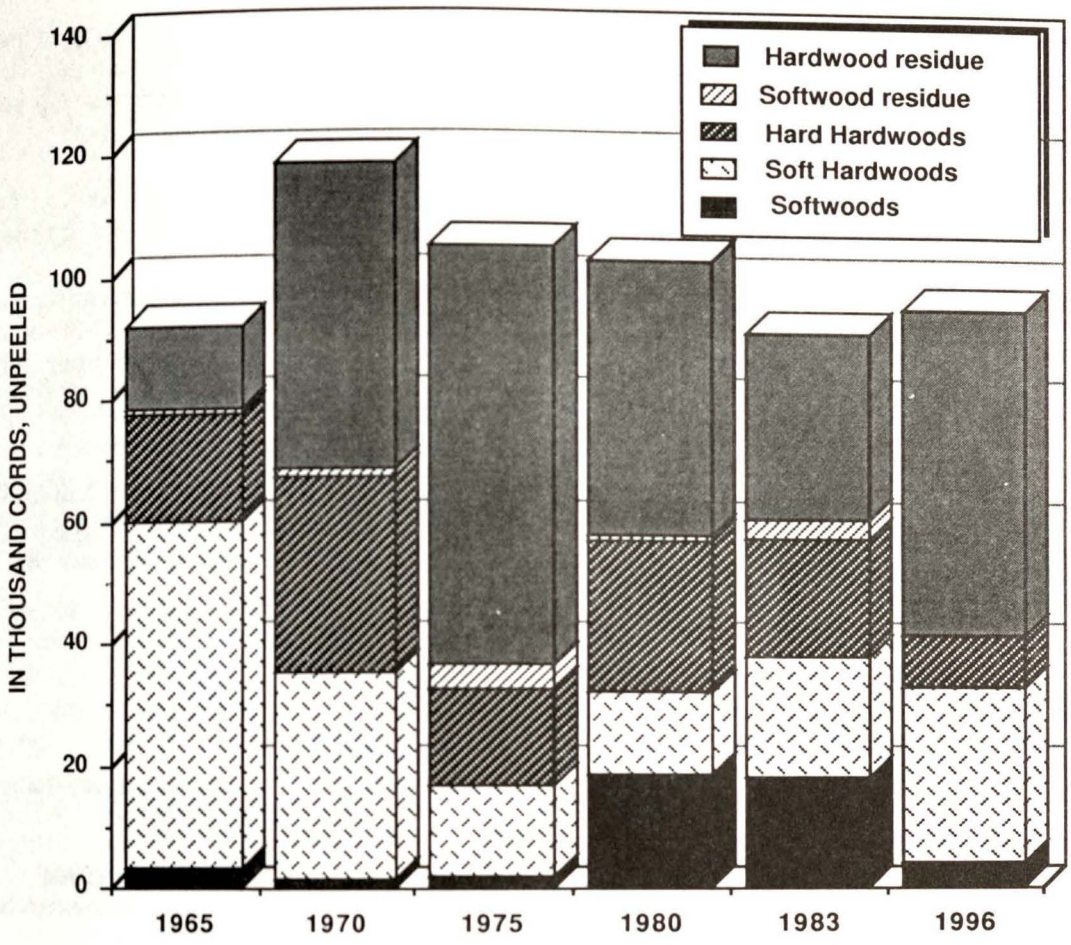

Figure 7.—*Pulpwood production by species group and type of residue for selected years in Illinois.*

going to the Southern States. All the softwood residues were shipped to the Southern States; hardwood residues ended up in Indiana and Iowa, and some was exported to the Southern States.

- Soft hardwoods was the major species group of roundwood pulpwood exported in 1996.

- The Southern Unit provided nearly 60 percent of the roundwood pulpwood harvested in the State in 1996 (table 12).

- Cottonwood, soft maple, elm, and hackberry were the main species harvested for pulpwood from the State in 1996.

- Four counties—Rock Island, Pope, Johnson, and Alexander—each reported more than 5 thousand cords of roundwood pulpwood harvested in 1996.

Pulpwood production is a major product in the North Central Region. A yearly study is done of all pulpmills and particleboard mills in the region. A separate publication, "Pulpwood Production in the North-Central Region, 1996," by Ronald J. Piva, RB-NC-190 is available from the North Central Research Station.

OTHER PRODUCTS

- Loggers cut nearly 3 million cubic feet of other industrial roundwood products in Illinois in 1996, mostly mine timbers.

- Cooperage log harvesting occurred mainly in the Prairie Unit—mostly supplied by white oak (207 thousand cubic feet).

- Handle bolt production occurred in the Southern Unit—all supplied by hickory (227 thousand cubic feet).

Residential fuelwood is a nonindustrial product in Illinois and is not included in this report. The last nonindustrial fuelwood study was done in 1983 and that information is available in a separate Station publication: "Fuelwood Production and Sources from Roundwood in Illinois, 1983," by James E. Blyth, Dwight R. McCurdy, John H. Burde, and W. Brad Smith, RB-NC-92.

TIMBER REMOVALS

- In 1996, loggers harvested more than 73 million cubic feet of wood material from the State's forest (table 13).
- More than 48 million cubic feet or 57 percent was cut from the growing-stock inventory on Illinois timberland (fig. 8).
- More than 42 percent of the growing-stock removals came from the Claypan Unit, the region of the State where saw-log production is concentrated (table 14).
- Red and white oak accounted for more than 59 percent of all growing-stock removals.
- Industrial roundwood harvesting also removed more than 245 million board feet of wood from the sawtimber portion of the growing-stock inventory in 1996 (table 15).
- More than 43 percent of all sawtimber removals occurred in the Claypan Unit, the area of the State where saw-log production is concentrated.

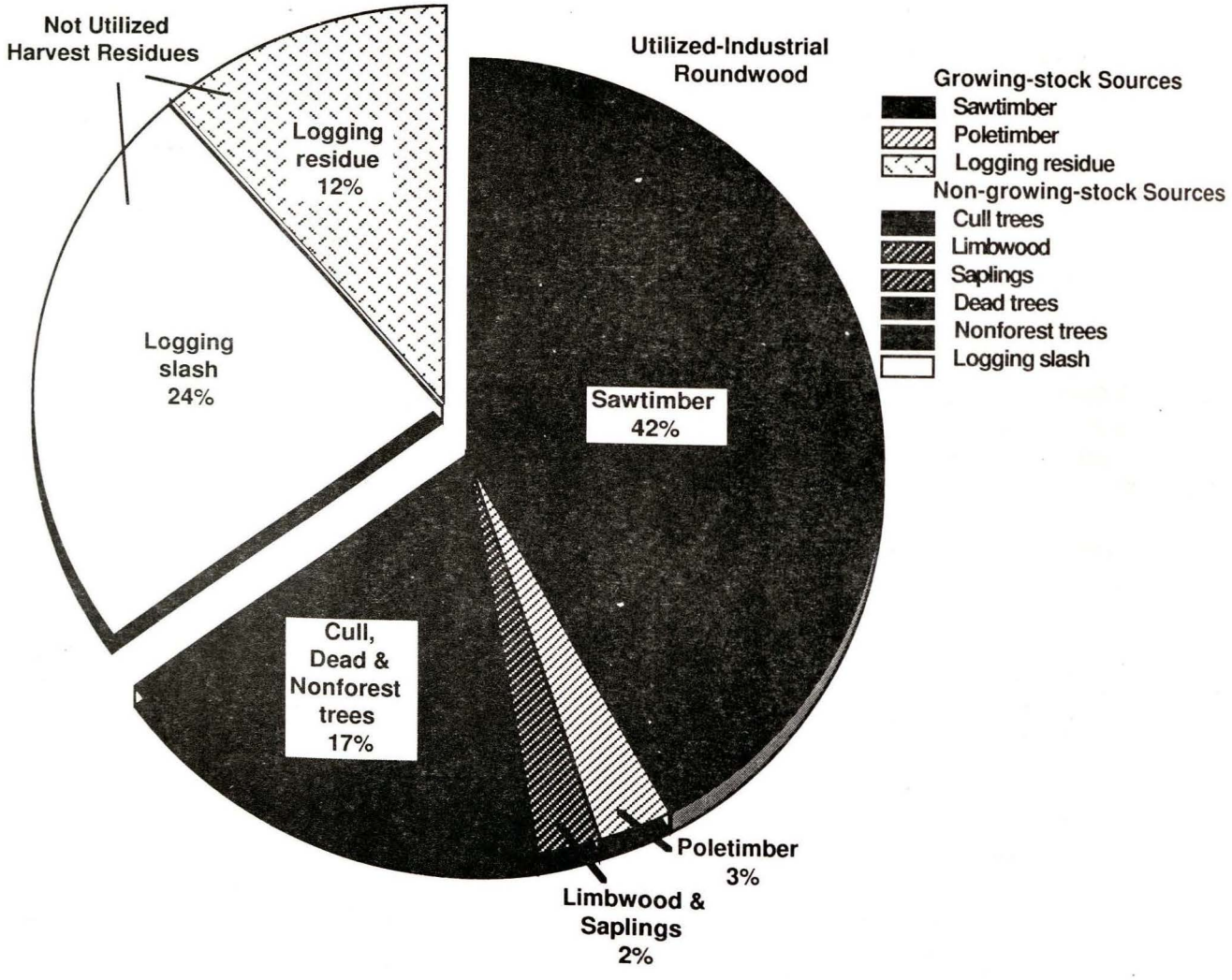

Figure 8.—*Distribution of timber removals for industrial roundwood by source of material, Illinois, 1996.*

- Sawtimber removals were concentrated in four species—red oak, white oak, cottonwood, and soft maple—which together accounted for nearly three-quarters of all sawtimber removals. Red and white oak accounted for nearly 59 percent of all sawtimber removals.

HARVEST RESIDUES

- In 1996, harvesting of industrial roundwood products left nearly 31 million cubic feet of harvest residues on the ground (table 16), an increase of nearly 41 percent from 1983, generally due to the increase in harvesting saw logs in 1996.

- The Claypan Unit had more than 45 percent of the harvest residues in the State in 1996. The Prairie and Southern Units had more than 25 percent each of harvest residues in the State.

- Four species—red oak, white oak, soft maple, and cottonwood—accounted for more than 70 percent of all harvest residues.

PRIMARY MILL RESIDUE

- In converting industrial roundwood into milled products, such as lumber, sheathing, and wood pulp, the primary wood-using industry in Illinois generated more than 467 thousand green tons of wood and bark residues (table 17).

- Coarse wood and bark residues together made up almost three-quarters of the total volume; fine wood residue made up the remainder (fig. 9).

- Almost all the mill residues were used; 37 percent ended up as miscellaneous products such as mulch, animal bedding, etc. (fig. 10).

- In general, most coarse wood residues were used for fiber products such as pulpwood. More than one-quarter of the coarse wood and bark residues combined were used for domestic fuel to heat homes and cabins. Most fine wood and bark residues were used for miscellaneous products such as mulch and animal bedding.

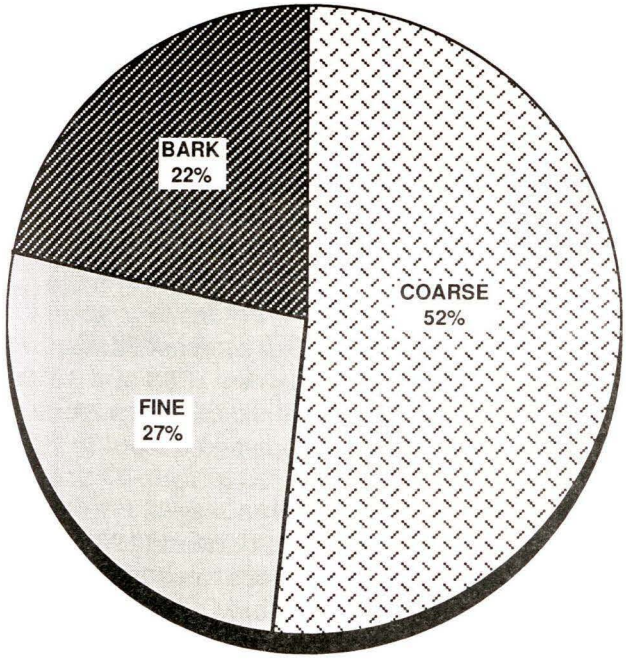

Figure 9.—*Distribution of residues generated by primary wood-using mills by type of residue, Illinois, 1996.*

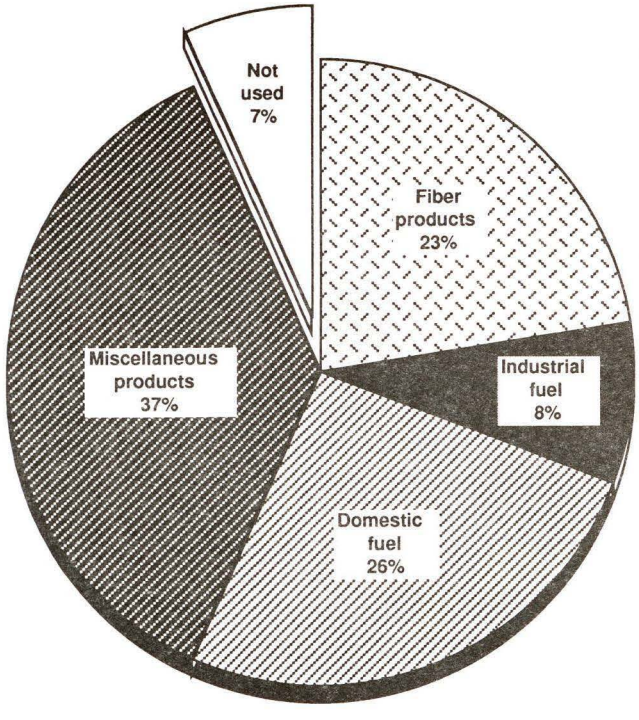

Figure 10.—*Distribution of residues generated by primary wood-using mills by method of disposal, Illinois, 1996.*

- More than three-quarters of the mill residues were generated in the Claypan and Prairie Units combined, and more than 62 percent of all unused mill residues were located in the Claypan Unit.

- Between 1983 and 1996, use of coarse wood and bark residues increased, but fine wood residues not used also increased (fig. 11).

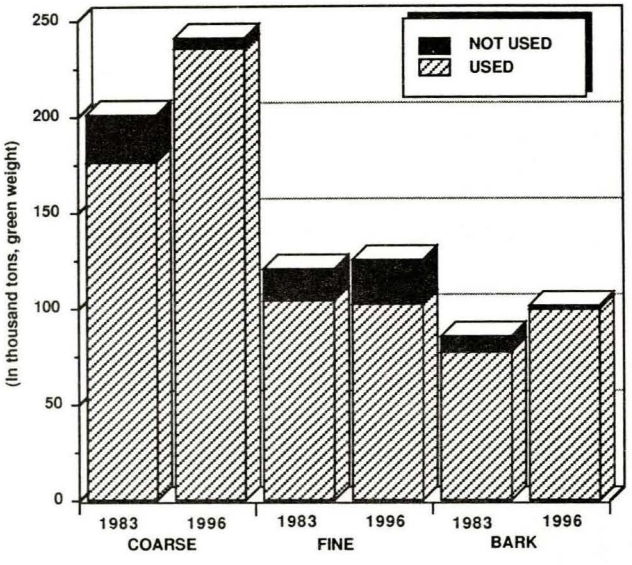

Figure 11.—*A comparison of used and not used residues from mills in Illinois, 1983 and 1996.*

REGIONAL TRENDS

Claypan Unit

- In 1996, more than 17.5 million cubic feet of roundwood was produced in the 26 counties that make up the Claypan Unit of Illinois and accounted for more than 41 percent of the State's total output.

- The 17.5 million cubic feet of industrial roundwood reflects a 58-percent increase between 1983 and 1996.

- Saw-log production of nearly 99 million board feet accounted for more than 94 percent of the total roundwood production in this unit, and reflects a 59-percent increase from 1983 to 1996.

- Veneer log production declined between surveys—from 1,069 thousand board feet to 1,003 thousand board feet—and accounted for nearly 1 percent of the unit's total roundwood output in 1996.

- Pulpwood production increased by nearly 18 percent from 1983 to 1996 and accounted for nearly 2 percent of the unit's total roundwood output.

- The Claypan Unit produced nearly 46 percent of the State's saw logs, nearly 19 percent of the veneer logs, more than 8 percent of the pulpwood, and more than 23 percent of the miscellaneous products (fig. 12).

- In 1996, the Claypan Unit had 50 sawmills and 1 miscellaneous other product mill.

- Nearly 18 percent of the sawmills in the region had receipts greater than 3 million board feet, while 54 percent of the mills had less than 1 million board feet of receipts.

Prairie Unit

- Between 1983 and 1996, roundwood production from the 60 counties that make up the Prairie Unit increased by 40 percent to 11 million cubic feet.

- This unit accounted for nearly 26 percent of the State's total roundwood output in 1996.

- Saw-log production of more than 57 million board feet accounted for more than 85 percent of the total roundwood production in this unit.

- Veneer log production increased by more than 90 percent between 1983 and 1996, and accounted for more than 4 percent of the unit's total roundwood output in 1996.

- Pulpwood production between 1983 and 1996 increased by more than 7 percent and accounted for nearly 10 percent of the unit's total roundwood output.

- In 1996, the Prairie Unit produced more than 26 percent of the State's saw logs, more than 67 percent of the veneer logs,

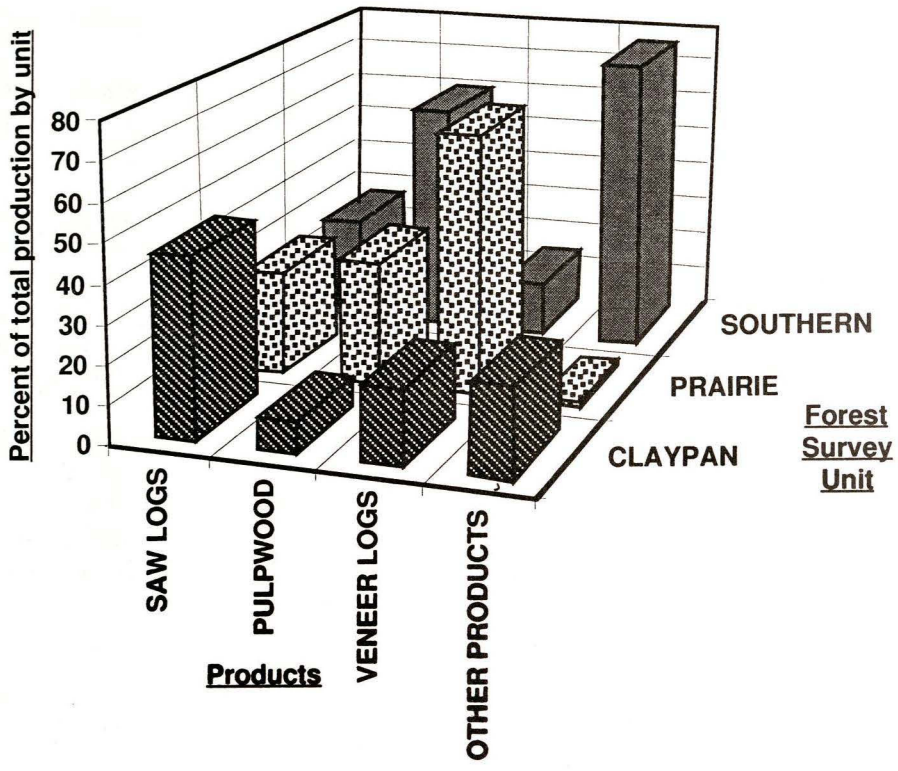

Figure 12.—*Distribution of roundwood products harvested by unit, Illinois, 1995.*

more than 32 percent of the pulpwood, and less than 1 percent of the miscellaneous other products in the State.

- In 1996, 39 mills including 37 sawmills, 1 veneer mill, and 1 miscellaneous other product mill operated in the Prairie Unit.

- Only 8 mills in the Prairie Unit had receipts of more than 3 million board feet, while 70 percent of the mills had receipts less than one million board feet.

Southern Unit

- The 16-county Southern Unit produced the second largest amount of roundwood in the State. In 1996, this unit produced almost 14 million cubic feet of industrial roundwood. Total production of industrial roundwood in the unit was nearly one-third of the State's total industrial roundwood output.

- Saw-log production of nearly 59 million board feet accounted for more than 70 percent of the total roundwood produced in this unit in 1996.

- Veneer log production decreased by more than 20 percent between 1983 and 1996, and accounted for nearly 1 percent of the unit's total roundwood output in 1996.

- Between surveys, pulpwood production declined by more than 40 percent to 25 thousand cords in 1996, and accounted for more than 14 percent of the unit's total roundwood output in 1996.

- The Southern Unit produced more than 27 percent of the State's saw logs, nearly 14 percent of the veneer logs, nearly 60 percent of the pulpwood, and more than 76 percent of the miscellaneous other products produced in 1996.

- In 1996, 15 sawmills and 2 miscellaneous other product mills operated in the Southern Unit.

- Nearly one-third of the sawmills in the Southern Unit had receipts of 3 million board feet or more, while more than 47 percent of the mills had receipts less than 1 million board feet.

APPENDIX

STUDY METHODS

This study was a cooperative effort of the Illinois Department of Conservation (IDC) and the North Central Research Station (NCRS). Using mail questionnaires supplied by NCRS and designed to determine the size and composition of the State's primary wood-using industry, its use of roundwood, and its generation and disposition of wood residues, the IDC canvassed all primary wood-using mills within the State. The IDC followed up on nonresponding mills by using additional mailings, telephone, and personal contacts until a 100-percent response was achieved. Completed questionnaires were sent to NCRS for editing and processing.

As part of data editing and processing, all industrial roundwood volumes reported on the questionnaires were converted to standard units of measure using regional conversion factors. Timber removals by source of material and harvest residues generated during logging were estimated from standard product volumes using factors developed from logging utilization studies previously conducted by NCRS. Finalized data on Illinois industrial roundwood receipts were loaded into a regional timber removals data base and supplemented with data on out-of-State uses of Illinois roundwood to provide a complete assessment of timber product output in Illinois.

DEFINITION OF TERMS

Board foot.—Unit of measure applied to roundwood. It relates to lumber that is 1 foot long, 1 foot wide, and 1 inch thick (or its equivalent).

Bolts.—Roundwood, usually cut into 4- to 8-foot lengths to be sawn into lumber, prepared for making woodpulp, or used to make other products such as cooperage or veneer.

Central stem.—The portion of a tree between a 1-foot stump and the minimum 4.0-inch top diameter outside bark, or point where the central stem breaks into limbs.

Coarse mill residue.—Wood residue suitable for chipping such as slabs, edgings, and veneer cores.

Commercial species.—Tree species presently or prospectively suitable for industrial wood products. (Note: Excludes species of typically small size, poor form, or inferior quality such as hophornbeam, Osage-orange, and redbud.)

Cull removals.—Net volume of rough and rotten trees plus the net volume in sections of the central stem of growing-stock trees that do not meet regional merchantability standards, harvested for industrial roundwood products.

Dead removals.—Net volume of dead trees harvested for industrial roundwood products.

Diameter at breast height (d.b.h.).—The outside bark diameter at 4.5 feet above the forest floor on the uphill side of the tree. For determining breast height, the forest floor includes the duff layer that may be present, but does not include unincorporated woody debris that may rise above the ground line.

Fine mill residue.—Wood residue not suitable for chipping such as sawdust and veneer clippings.

Forest land.—Land at least 16.7 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use. (Note: Stocking is measured by comparing specified standards with basal area and/or number of trees, age or size, and spacing.) The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width of at least 120 feet to qualify as forest land. Unimproved roads and trails, streams, or other bodies of water or clearings in forest areas shall be classed as forest if less than 120 feet wide.

Growing-stock removals.—The growing-stock volume removed from the timberland

inventory by harvesting industrial roundwood products. (Note: Includes sawtimber removals, poletimber removals, and logging residues.)

Growing-stock tree.—A live timberland tree of commercial species that meets specified standards of size, quality, and merchantability. (Note: Excludes rough, rotten, and dead trees.)

Growing-stock volume.—Net volume of growing-stock trees 5.0 inches d.b.h. and over, from 1 foot above the ground to a minimum 4.0-inch top diameter outside bark of the central stem or to the point where the central stem breaks into limbs.

Hardwoods.—Dicotyledonous trees, usually broad-leaved and deciduous.

Harvest residues.—The total net volume of unused portions of trees cut or killed by logging. (Note: Includes both logging residues and logging slash.)

Industrial roundwood products.—Saw logs, pulpwood, veneer logs, poles, commercial posts, piling, cooperage logs, particleboard bolts, shaving bolts, lath bolts, charcoal bolts, and chips from roundwood used for pulp or board products.

Industrial roundwood exports.—The quantity of industrial roundwood harvested in a geographical area and transported to other geographical areas.

Industrial roundwood imports.—The quantity of industrial roundwood received from other geographical areas.

Industrial roundwood production.—The quantity of industrial roundwood harvested in a geographic area plus all industrial roundwood exported to other geographical areas.

Industrial roundwood receipts.—The quantity of industrial roundwood harvested for commercial mills in a geographic area plus all industrial roundwood imported from other geographical areas.

Industrial roundwood retained.—The quantity of industrial roundwood harvested from and processed by commercial mills within the same geographical area.

International 1/4-inch rule.—A log rule or formula for estimating the board foot volume of logs, allowing 1/2-inch of taper for each 4-foot length. The rule appears in a number of forms that allow for kerf. In the form used by FIA, a 1/4-inch of kerf is assumed. This rule is used as the USDA Forest Service standard log rule in the Eastern United States.

Limbwood removals.—Net volume of all portions of a tree other than the central stem, (including forks, large limbs, tops, and stumps) harvested for industrial roundwood products.

Logging residue.—The net volume of unused portions of the merchantable central stem of growing-stock trees cut or killed by logging.

Logging slash.—The net volume of unused portions of the unmerchantable (non-growing-stock) sections of trees cut or killed by logging.

Merchantable sections.—Refers to sections of the central stem of growing-stock trees that meet either pulpwood or saw-log specifications.

Net volume.—Gross volume less deductions for rot, sweep, or other defects affecting use for roundwood products.

Noncommercial species.—Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial roundwood products. Classified in volume tables as rough trees.

Nonforest land.—Land that has never supported forests, and land formerly forested where use for timber management is precluded by development for other uses. (Note: Includes areas used for crops, orchards, Christmas trees, improved pasture, residential areas, city parks, improved roads of any width and adjoining clearings, powerline clearings of any width, and 1- to 39.9-acre areas of water classified by the Bureau of the Census as land.

If intermingled in forest areas, improved roads and nonforest strips must be more than 120 feet wide and more than 1 acre to qualify as nonforest land.)

Nonforest land removals.—Net volume of trees on nonforest lands harvested for industrial roundwood products.

Poletimber.—A growing-stock tree at least 5.0 inches d.b.h. but smaller than sawtimber size (9.0 inches d.b.h. for softwoods, 11.0 inches d.b.h. for hardwoods).

Poletimber removals.—Net volume in the merchantable central stem of poletimber trees harvested for industrial roundwood products.

Primary wood-using mills.—Mills receiving roundwood or chips from roundwood for processing into products.

Primary wood-using mill residue.—Wood materials (coarse and fine) and bark generated at manufacturing plants from roundwood processed into principal products. These residues include wood products (byproducts) obtained incidental to production of principal products and wood materials not utilized for some product.

Rotten tree.—A tree that does not meet regional merchantability standards because of excessive unsound cull.

Rough tree.—A tree that does not meet regional merchantability standards because of excessive sound cull. Includes noncommercial tree species.

Roundwood.—Logs, bolts, or other round sections cut from trees (including chips from roundwood).

Sapling.—A live tree between 1.0 and 5.0 inches d.b.h.

Sapling removals.—Net volume in saplings harvested for industrial roundwood products.

Saw-log portion.—That portion of the central stem of sawtimber trees between the stump and the saw-log top.

Saw-log top.—The point on the central stem of sawtimber trees above which a saw log cannot be produced. The minimum saw-log top is 7.0 inches d.o.b. for softwoods and 9.0 inches d.o.b. for hardwoods.

Sawtimber removals.—As used in table 13, sawtimber removals refers to the net volume in the merchantable central stem of sawtimber trees harvested for industrial roundwood products. (Note: Includes the saw-log and upper-stem portions of sawtimber trees.) When referring to the sawtimber volume removed from the timberland inventory as in table 15, sawtimber removals refers to the net volume in the saw-log portion of sawtimber trees harvested for roundwood products or left on the ground as harvest residue, and is usually expressed in thousands of board feet (International 1/4-inch rule).

Sawtimber tree.—A growing-stock tree containing at least a 12-foot saw log or two noncontiguous saw logs 8 feet or longer, and meeting regional specifications for freedom from defect. Softwoods must be at least 9.0 inches d.b.h. and hardwoods must be at least 11.0 inches d.b.h.

Sawtimber volume.—Net volume in the saw-log portion of sawtimber trees.

Softwoods.—Coniferous trees, usually evergreen, having needles or scale-like leaves.

Timber product output.—The volume of roundwood products produced from an area's forests.

Timberland.—Forest land that is producing, or is capable of producing, in excess of 20 cubic feet per acre per year of industrial roundwood products under natural conditions, is not withdrawn from timber utilization by statute or administrative regulation, and is not associated with urban or rural development.

Tree.—A woody plant usually having one or more perennial stems, a more or less definitely formed crown of foliage, and a height of at least 12 feet at maturity.

Upper stem portion.—That portion of the central stem of sawtimber trees between

the saw-log top and the minimum top diameter of 4.0 inches outside bark, or to the point where the central stem breaks into limbs.

Veneer log or bolt.—A roundwood product, from which veneer is sliced or sawn, and which meets regional standards of minimum diameter, length, and freedom from defect.

COMMON AND SCIENTIFIC NAMES OF TREE SPECIES MENTIONED IN THIS REPORT

SOFTWOODS
Pine
- Shortleaf pine ..... *Pinus echinata*
- Eastern white pine ..... *Pinus strobus*
- Red pine ..... *Pinus resinosa*
- Scotch pine ..... *Pinus sylvestris*

Cypress ..... *Taxodium distichum*
Eastern redcedar ..... *Juniperus virginiana*

HARDWOODS
White oak
- White oak ..... *Quercus alba*
- Swamp white oak ..... *Quercus bicolor*
- Bur oak ..... *Quercus macrocarpa*
- Swamp chestnut oak ..... *Quercus michauxii*
- Chinkapin oak ..... *Quercus muehlenbergii*
- Chestnut oak ..... *Quercus prinus*
- Post oak ..... *Quercus stellata*

Red oak
- Northern red oak ..... *Quercus rubra*
- Cherrybark oak ..... *Quercus falcata* var. *pagodaefolia*
- Shumard oak ..... *Quercus shumardii*
- Black oak ..... *Quercus velutina*
- Scarlet oak ..... *Quercus coccinea*
- Southern red oak ..... *Quercus falcata*
- Shingle oak ..... *Quercus imbricaria*
- Northern pin oak ..... *Quercus ellipsoidalis*
- Pin oak ..... *Quercus palustris*

Hickory
- Mockernut hickory ..... *Carya tomentosa*
- Shagbark hickory ..... *Carya ovata*
- Shellbark hickory ..... *Carya laciniosa*
- Pecan ..... *Carya illinoensis*
- Pignut hickory ..... *Carya glabra*
- Bitternut hickory ..... *Carya cordiformis*

Hard maple ..... *Acer saccharum*
Soft maple
- Red maple ..... *Acer rubrum*
- Silver maple ..... *Acer saccharinum*

Beech ..... *Fagus grandifolia*
Sweetgum ..... *Liquidambar styraciflua*
Blackgum ..... *Nyssa sylvatica*
Ash
- White ash ..... *Fraxinus americana*
- Black ash ..... *Fraxinus nigra*
- Green ash ..... *Fraxinus pennsylvanica*

Cottonwood ..... *Populus deltoides*
Aspen
- Bigtooth aspen ..... *Populus grandidentata*
- Quaking aspen ..... *Populus tremuloides*

American basswood ..... *Tilia americana*
Yellow-poplar ..... *Liriodendron tulipifera*
Black cherry ..... *Prunus serotina*
Black walnut ..... *Juglans nigra*
Elm
- Winged elm ..... *Ulmus alata*
- American elm ..... *Ulmus americana*
- Siberian elm ..... *Ulmus pumila*
- Slippery elm ..... *Ulmus rubra*
- Rock elm ..... *Ulmus thomasii*

American sycamore ..... *Platanus occidentalis*
Birch
- Yellow birch ..... *Betula alleghaniensis*
- River birch ..... *Betula nigra*

Other hardwoods
- Ohio buckeye ..... *Aesculus glabra*
- Hackberry ..... *Celtis occidentalis*
- Northern catalpa ..... *Catalpa speciosa*
- Flowering dogwood ..... *Cornus florida*
- Common persimmon ..... *Diospyros virginiana*
- Honeylocust ..... *Gleditsia triacanthos*
- Kentucky coffeetree ..... *Gymnocladus dioicus*
- Butternut ..... *Juglans cinerea*
- Osage-orange ..... *Maclura pomifera*
- Cucumbertree ..... *Magnolia acuminita*
- Black locust ..... *Robinia pseudoacacia*
- Black willow ..... *Salix nigra*
- Sassafras ..... *Sassafras albidum*
- Boxelder ..... *Acer negundo*
- Balsam poplar ..... *Populus balsamifera*

TABLE TITLES

Table 1.—Number of active primary wood-using mills in Illinois, 1961, 1983, and 1996

Table 2.—Industrial roundwood receipts by type of mill in Illinois, 1961, 1983, and 1996

Table 3.—Industrial roundwood production by Forest Survey Unit, species group, and type of product, Illinois, 1996

Table 4.—Saw-log production and receipts in Illinois by species group, 1983 and 1996

Table 5.—Saw-log production by Forest Survey Unit, county, and species group, Illinois, 1996

Table 6.—Saw-log production by Forest Survey Unit, species group, and State of destination, Illinois, 1996

Table 7.—Saw-log receipts by Forest Survey Unit, species group, and State of origin, Illinois, 1996

Table 8.—Veneer log and bolt production in Illinois by species group for 1966, 1970, 1976, 1983, and 1996

Table 9.—Veneer log and bolt production by Forest Survey Unit, species group, and State or country of destination, Illinois, 1996

Table 10.—Veneer log and bolt production by Forest Survey Unit, county, and species group, Illinois, 1996

Table 11.—Pulpwood production in Illinois by species group, 1965, 1970, 1975, 1980, 1983, and 1996

Table 12.—Pulpwood production by species group and Forest Survey Unit, Illinois, 1996

Table 13.—Wood material harvested for industrial roundwood by Forest Survey Unit, source of material, and species group, Illinois, 1996

Table 14.—Growing-stock removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Illinois, 1996

Table 15.—Sawtimber removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Illinois, 1996

Table 16.— Harvest residues generated by industrial roundwood harvesting by Forest Survey Unit, county, and species group, Illinois, 1996

Table 17.—Residue produced at primary wood-using mills by type of material, type of use, and Forest Survey Unit, Illinois, 1996

Table 1.--Number of active primary wood-using mills in Illinois, 1961, 1983, and 1996

Kind of mills	1961	1983	1996
Sawmills			
Large 1/	2	14	21
Medium 2/	37	27	20
Small 3/	275	137	61
Total	314	178	102
Pulpmills	8	--	--
Veneer mills	8	2	1
Other mills 4/	25	5	4
All mills	355	185	107

1/ Annual lumber production of 3 million board feet or more.

2/ Annual lumber production from 1.000 to 2.999 million board feet.

3/ Annual lumber production less than 1 million board feet.

4/ Includes cooperage mills, handle mills, and charcoal plants.

Table 2.--Industrial roundwood receipts by type of mill in Illinois, 1961, 1983, and 1996

(In million cubic feet)

Kind of mill	1961	1983	1996
ALL SPECIES			
Sawmills	19.9	26.7	26.9
Other mills 1/	14.7	5.7	2.9
Total	34.6	32.4	29.8
HARDWOODS			
Sawmills	19.8	26.6	26.8
Other mills 1/	14.2	4.3	2.9
Total	34.0	30.9	29.7
SOFTWOODS			
Sawmills	0.1	0.1	0.1
Other mills 1/	0.5	1.4	--
Total	0.6	1.5	0.1

1/ Includes logs and bolts used for veneer, handles, cooperage, etc. For proper comparison, the 1961 and 1983 data do not include fuelwood receipts and post.

Table 3.--Industrial roundwood production by Forest Survey Unit, species group, and type of product, Illinois, 1996 1/

ALL UNITS

Species group	Saw logs		Veneer logs		Pulpwood		Cooperage		Handles		Mine timbers	All products
	MBF 2/	*MCF 3/*	*MBF 2/*	*MCF 3/*	*Cords 4/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MCF 3/*	*MCF 3/*
SOFTWOODS												
Redcedar	36	8	--	--	--	--	--	--	--	--	--	8
Jack pine	--	--	--	--	24	2	--	--	--	--	--	2
Shortleaf pine	--	--	--	--	2,314	183	--	--	--	--	--	183
Red pine	--	--	--	--	1,815	143	--	--	--	--	--	143
White pine	301	52	--	--	--	--	--	--	--	--	--	52
Total	337	60	--	--	4,152	328	--	--	--	--	--	388
HARDWOODS												
Soft maple	15,529	2,645	57	8	6,533	516	--	--	--	--	114	3,282
Hard maple	6,525	1,111	183	25	564	45	2	*	--	--	49	1,230
River birch	954	157	3	*	--	--	--	--	--	--	16	173
Hickory	8,600	1,413	11	2	3,345	264	--	--	1,412	227	165	2,071
Pecan	20	3	--	--	--	--	--	--	--	--	33	36
Hackberry	1,952	321	--	--	5,071	401	--	--	--	--	81	803
Persimmon	*	*	--	--	--	--	--	--	--	--	--	*
Beech	467	77	--	--	--	--	--	--	--	--	--	77
Ash	11,198	1,840	138	19	449	35	2	*	--	--	116	2,011
Honeylocust	*	*	--	--	--	--	--	--	--	--	--	*
Black walnut	5,515	844	1,013	143	--	--	2	*	--	--	35	1,022
Sweetgum	1,003	165	57	8	--	--	--	--	--	--	--	173
Yellow-poplar	5,701	937	230	31	537	42	--	--	--	--	98	1,108
Osage-orange	35	6	--	--	--	--	--	--	--	--	--	6
Tupelo	467	77	--	--	--	--	--	--	--	--	--	77
Sycamore	4,697	772	114	16	57	5	--	--	--	--	81	873
Cottonwood	17,282	2,682	--	--	10,278	812	--	--	--	--	337	3,831
Aspen	58	10	--	--	--	--	--	--	--	--	--	10
Black cherry	2,393	393	52	7	--	--	--	--	--	--	16	417
Red oak group	77,727	13,151	400	55	2,026	160	2	*	--	--	724	14,091
White oak group	51,151	8,655	3,069	420	1,549	122	1,244	205	--	--	372	9,774
Black locust	9	2	--	--	--	--	--	--	--	--	--	2
Willow	304	50	--	--	--	--	--	--	--	--	--	50
Sassafras	63	10	--	--	--	--	--	--	--	--	--	10
Basswood	1,100	181	--	--	--	--	--	--	--	--	--	181
Elm	1,531	252	6	1	6,302	498	--	--	--	--	16	767
Other hardwoods	1	*	--	--	608	48	--	--	--	--	--	48
Total	214,286	35,752	5,334	734	37,320	2,948	1,253	207	1,412	227	2,252	42,120
All species	214,623	35,812	5,334	734	41,472	3,276	1,253	207	1,412	227	2,252	42,508

(Table 3 continued on next page)

(Table 3 contined)

CLAYPAN UNIT

Species group	Saw logs		Veneer logs		Pulpwood		Cooperage		Handles		Mine timbers	All products
	MBF 2/	*MCF 3/*	*MBF 2/*	*MCF 3/*	*Cords 4/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MCF 3/*	*MCF 3/*
HARDWOODS												
Soft maple	5,757	980	36	5	173	14	--	--	--	--	--	999
Hard maple	3,831	652	8	1	153	12	--	--	--	--	--	666
River birch	807	133	--	--	--	--	--	--	--	--	--	133
Hickory	4,561	749	7	1	471	37	--	--	--	--	35	822
Pecan	20	3	--	--	--	--	--	--	--	--	--	3
Hackberry	1,299	213	--	--	--	--	--	--	--	--	--	213
Beech	21	3	--	--	--	--	--	--	--	--	--	3
Ash	6,815	1,120	7	1	184	15	--	--	--	--	35	1,170
Black walnut	1,880	288	140	20	--	--	--	--	--	--	35	342
Sweetgum	327	54	17	2	--	--	--	--	--	--	--	56
Yellow-poplar	595	98	--	--	537	42	--	--	--	--	--	140
Tupelo	16	3	--	--	--	--	--	--	--	--	--	3
Sycamore	2,291	376	99	14	--	--	--	--	--	--	--	390
Cottonwood	4,153	645	--	--	--	--	--	--	--	--	174	819
Black cherry	802	132	--	--	--	--	--	--	--	--	--	132
Red oak group	35,854	6,066	59	8	585	46	--	--	--	--	139	6,260
White oak group	28,716	4,859	630	86	632	50	--	--	--	--	209	5,204
Black locust	5	1	--	--	--	--	--	--	--	--	--	1
Sassafras	34	6	--	--	--	--	--	--	--	--	--	6
Basswood	331	54	--	--	--	--	--	--	--	--	--	54
Elm	517	85	--	--	--	--	--	--	--	--	--	85
Other hardwoods	--	--	--	--	608	48	--	--	--	--	--	48
Total	98,634	16,521	1,003	138	3,343	264	--	--	--	--	627	17,549
All species	98,634	16,521	1,003	138	3,343	264	--	--	--	--	627	17,549

(Table 3 continued on next page)

(Table 3 contined)

PRAIRIE UNIT

Species group	Saw logs		Veneer logs		Pulpwood		Cooperage		Handles		Mine timbers	All products
	MBF 2/	*MCF 3/*	*MBF 2/*	*MCF 3/*	*Cords 4/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MCF 3/*	*MCF 3/*
SOFTWOODS												
Redcedar	36	8	--	--	--	--	--	--	--	--	--	8
Jack pine	--	--	--	--	24	2	--	--	--	--	--	2
Red pine	--	--	--	--	1,815	143	--	--	--	--	--	143
White pine	301	52	--	--	--	--	--	--	--	--	--	52
Total	337	60	--	--	1,839	145	--	--	--	--	--	205
HARDWOODS												
Soft maple	6,750	1,150	--	--	1,452	115	--	--	--	--	--	1,264
Hard maple	1,805	307	176	24	411	32	2	*	--	--	--	364
River birch	35	6	3	0	--	--	--	--	--	--	--	6
Hickory	1,478	243	--	--	1,595	126	--	--	--	--	--	369
Hackberry	505	83	--	--	--	--	--	--	--	--	--	83
Ash	1,942	319	124	17	265	21	2	*	--	--	--	357
Honeylocust	*	*	--	--	--	--	--	--	--	--	--	*
Black walnut	3,334	510	821	116	--	--	2	*	--	--	--	626
Yellow-poplar	10	2	--	--	--	--	--	--	--	--	--	2
Osage-orange	35	6	--	--	--	--	--	--	--	--	--	6
Sycamore	1,609	264	--	--	57	5	--	--	--	--	--	269
Cottonwood	7,866	1,221	--	--	5,119	404	--	--	--	--	--	1,625
Aspen	58	10	--	--	--	--	--	--	--	--	--	10
Black cherry	1,164	191	52	7	--	--	--	--	--	--	--	198
Red oak group	15,039	2,545	269	37	761	60	2	*	--	--	--	2,642
White oak group	13,598	2,301	2,141	293	367	29	47	8	--	--	--	2,630
Black locust	*	*	--	--	--	--	--	--	--	--	--	*
Willow	276	45	--	--	--	--	--	--	--	--	--	45
Basswood	618	102	--	--	--	--	--	--	--	--	--	102
Elm	677	111	6	1	1,473	116	--	--	--	--	--	228
Other hardwoods	1	*	--	--	--	--	--	--	--	--	--	*
Total	56,800	9,415	3,591	495	11,499	908	56	9	--	--	--	10,827
All species	57,138	9,475	3,591	495	13,338	1,054	56	9	--	--	--	11,033

(Table 3 continued on next page)

(Table 3 contined)

SOUTHERN UNIT

Species group	Saw logs		Veneer logs		Pulpwood		Cooperage		Handles		Mine timbers	All products
	MBF 2/	*MCF 3/*	*MBF 2/*	*MCF 3/*	*Cords 4/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MBF 2/*	*MCF 3/*	*MCF 3/*	*MCF 3/*
SOFTWOODS												
Shortleaf pine	--	--	--	--	2,314	183	--	--	--	--	--	183
Total	--	--	--	--	2,314	183	--	--	--	--	--	183
HARDWOODS												
Soft maple	3,022	515	21	3	4,909	388	--	--	--	--	114	1,019
Hard maple	888	151	--	--	--	--	--	--	--	--	49	200
River birch	112	18	--	--	--	--	--	--	--	--	16	35
Hickory	2,561	421	4	1	1,278	101	--	--	1,412	227	130	880
Pecan	--	--	--	--	--	--	--	--	--	--	33	33
Hackberry	148	24	--	--	5,071	401	--	--	--	--	81	506
Persimmon	*	*	--	--	--	--	--	--	--	--	--	*
Beech	446	73	--	--	--	--	--	--	--	--	--	73
Ash	2,441	401	7	1	--	--	--	--	--	--	81	483
Black walnut	301	46	53	7	--	--	--	--	--	--	--	54
Sweetgum	676	111	40	5	--	--	--	--	--	--	--	116
Yellow-poplar	5,096	837	230	31	--	--	--	--	--	--	98	966
Tupelo	452	74	--	--	--	--	--	--	--	--	--	74
Sycamore	797	131	15	2	--	--	--	--	--	--	81	214
Cottonwood	5,263	817	--	--	5,159	408	--	--	--	--	163	1,387
Black cherry	426	70	*	*	--	--	--	--	--	--	16	86
Red oak group	26,834	4,540	72	10	680	54	--	--	--	--	585	5,189
White oak group	8,838	1,495	298	41	551	44	1,197	197	--	--	163	1,939
Black locust	4	1	--	--	--	--	--	--	--	--	--	1
Willow	28	5	--	--	--	--	--	--	--	--	--	5
Sassafras	30	5	--	--	--	--	--	--	--	--	--	5
Basswood	151	25	--	--	--	--	--	--	--	--	--	25
Elm	338	55	--	--	4,830	382	--	--	--	--	16	453
Total	58,852	9,816	740	101	22,478	1,776	1,197	197	1,412	227	1,625	13,743
All species	58,852	9,816	740	101	24,791	1,959	1,197	197	1,412	227	1,625	13,926

** = less than 500 cubic feet or board feet.*

1/ Based on factors obtained from the Illinois Utilization Study, 1984.

2/ Thousand board feet.

3/ Thousand cubic feet.

4/ Standard cords are 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.

Rows and columns may not sum due to rounding.

Table 4.--Saw-log production and receipts in Illinois by species group, 1983 and 1996

(In thousand board feet) 1/

Species group	Production			Receipts		
	1983	1996	Change	1983	1996	Change
SOFTWOODS						
Cypress	192	--	-192	212	--	-212
Redcedar	21	36	15	21	36	15
White pine	117	301	184	117	370	253
Other softwoods	14	--	-14	14	--	-14
Total	344	337	-7	364	406	42
HARDWOODS						
Soft maple	9,678	15,529	5,851	7,744	11,439	3,695
Hard maple	3,261	6,525	3,264	2,920	5,085	2,165
Hickory	8,170	8,600	430	6,212	6,988	776
Pecan	--	20	20	130	--	-130
Beech	674	467	-207	688	3	-685
Ash	7,280	11,198	3,918	6,083	9,118	3,035
Black walnut	2,954	5,515	2,561	3,040	4,519	1,479
Sweetgum	2,946	1,003	-1,943	2,714	840	-1,874
Yellow-poplar	2,649	5,701	3,052	1,929	1,479	-450
Tupelo	415	467	52	340	77	-263
Sycamore	2,998	4,697	1,699	2,502	3,638	1,136
Cottonwood	13,726	17,282	3,556	13,794	11,257	-2,537
Black cherry	--	2,393	2,393	943	1,594	651
Red oak group	73,503	77,727	4,224	70,019	59,547	-10,472
White oak group	26,916	51,151	24,235	22,798	40,434	17,636
Basswood	645	1,100	455	586	548	-38
Elm	2,584	1,531	-1,053	3,321	1,059	-2,262
Other hardwoods	1,800	3,376	1,576	367	3,048	2,681
Total	160,199	214,286	54,087	146,130	160,673	14,543
All species	160,543	214,623	54,080	146,494	161,079	14,585

1/ International 1/4-inch rule.

Rows and colums may not sum due to rounding.

Table 5.--Saw-log production by Forest Survey Unit, county, and species group, Illinois, 1996

(In thousand board feet) 1/

Unit and county	Red-cedar	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut	Sweet-gum	Yellow-poplar
CLAYPAN UNIT																
Bond	--	--	--	287	72	--	83	--	41	--	--	112	--	43	--	--
Calhoun	--	--	--	203	285	6	72	17	--	--	--	263	--	372	--	1
Clark	--	--	--	--	--	--	--	--	--	--	--	--	--	44	--	7
Clay	--	--	--	513	326	99	309	--	109	--	--	546	--	87	--	--
Clinton	--	--	--	270	415	--	614	--	66	--	--	866	--	6	--	53
Crawford	--	--	--	174	--	--	--	--	--	--	--	276	--	--	15	--
Cumberland	--	--	--	39	134	39	57	--	39	--	--	235	--	163	--	--
Edwards	--	--	--	23	--	--	23	--	*	--	2	--	--	*	3	10
Effingham	--	--	--	433	542	150	461	--	188	--	--	563	--	123	--	--
Fayette	--	--	--	739	451	81	370	--	239	--	--	494	--	164	--	7
Greene	--	--	--	185	29	6	25	3	1	--	--	90	--	106	--	3
Jasper	--	--	--	342	94	81	134	--	81	--	--	440	--	43	8	--
Jefferson	--	--	--	201	43	43	167	--	57	--	--	142	--	46	155	--
Jersey	--	--	--	203	119	6	54	--	--	--	--	179	--	122	--	18
Lawrence	--	--	--	229	--	7	--	--	6	--	--	276	--	--	18	--
Macoupin	--	--	--	11	7	--	145	--	1	--	--	35	--	--	--	7
Madison	--	--	--	11	8	--	26	--	39	--	--	58	--	48	--	--
Marion	--	--	--	341	506	102	536	--	142	--	--	749	--	91	--	58
Monroe	--	--	--	46	70	--	58	--	10	--	--	84	--	147	--	33
Montgomery	--	--	--	80	88	--	83	--	65	--	--	36	--	54	--	--
Richland	--	--	--	277	43	50	260	--	44	--	--	210	--	89	14	6
Shelby	--	--	--	113	120	39	130	--	95	--	--	304	--	35	--	18
St Clair	--	--	--	52	132	--	165	--	7	--	--	226	--	12	--	29
Wabash	--	--	--	28	--	--	--	--	*	--	--	--	--	3	--	--
Washington	--	--	--	159	198	--	309	--	16	--	--	172	--	--	--	--
Wayne	--	--	--	796	149	99	481	--	54	--	19	460	--	81	115	346
Total	--	--	--	5,757	3,831	807	4,561	20	1,299	--	21	6,815	--	1,880	327	595
PRAIRIE UNIT																
Adams	--	1	1	285	115	6	168	--	25	--	--	115	--	63	--	1
Boone	--	--	--	7	1	--	--	--	--	--	--	12	--	1	--	--
Brown	--	1	1	619	126	6	171	--	26	--	--	196	--	161	--	1
Bureau	--	--	--	53	--	--	--	--	--	--	--	--	--	--	--	--
Carroll	--	--	--	1	9	--	5	--	--	--	--	21	--	12	--	--
Cass	11	*	11	798	*	--	4	--	--	--	--	113	--	42	--	--
Champaign	--	--	--	--	6	--	--	--	--	--	--	7	--	12	--	--
Christian	1	--	1	7	1	--	1	--	4	--	--	1	--	1	--	--
PRAIRIE UNIT Continued																

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Red-cedar	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut	Sweet-gum	Yellow-poplar
PRAIRIE UNIT Continued																
Coles	--	--	--	55	62	--	102	--	11	--	--	210	--	6	--	--
Cook	--	69	69	173	35	--	69	--	69	--	--	69	--	69	--	--
De Kalb	--	--	--	7	3	--	--	--	--	--	--	3	--	3	--	--
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fulton	*	*	*	735	308	--	47	--	--	--	--	191	--	414	--	--
Grundy	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--	--
Hancock	--	1	1	201	1	4	141	--	37	--	--	50	--	14	--	--
Henderson	--	1	1	128	1	4	42	--	12	--	--	8	--	40	--	--
Henry	--	--	--	373	110	4	12	--	40	--	--	61	--	955	--	--
Jo Daviess	--	--	--	1	8	--	4	--	--	--	--	30	--	12	--	--
Kane	--	69	69	179	36	--	69	--	69	--	--	70	--	70	--	--
Knox	--	--	--	28	--	--	--	--	--	--	--	--	--	30	--	--
La Salle	--	--	--	*	7	--	*	--	--	--	--	1	--	8	--	--
Lake	--	69	69	178	35	--	72	--	72	--	--	72	--	72	--	--
Lee	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--
Logan	*	*	1	28	6	--	14	--	--	--	--	*	*	16	--	--
Marshall	--	--	--	20	16	--	*	--	--	--	--	13	--	3	--	--
Mason	11	--	11	737	6	--	14	--	--	--	--	98	*	37	--	--
McDonough	--	--	--	288	276	--	19	--	--	--	--	41	--	391	--	--
McHenry	--	69	69	173	35	--	69	--	69	--	--	80	--	69	--	--
Menard	*	*	1	3	4	--	--	--	1	--	--	3	*	8	--	--
Mercer	--	--	--	127	2	6	14	--	14	--	--	11	--	74	--	--
Morgan	--	--	--	200	6	--	9	--	--	--	--	34	--	26	--	--
Ogle	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--
Peoria	--	--	--	29	10	--	14	--	--	--	--	--	--	30	--	--
Pike	--	--	--	444	130	6	183	--	26	--	--	172	--	134	--	6
Putnam	--	--	--	20	7	--	--	--	--	--	--	7	--	*	--	--
Rock Island	--	--	--	1	12	--	54	--	--	--	--	8	--	35	--	--
Sangamon	1	*	1	6	10	--	1	--	4	--	--	10	--	22	--	--
Schuyler	11	1	12	759	295	--	138	--	25	--	--	171	--	418	--	1
Scott	--	--	--	20	99	--	20	--	--	--	--	20	--	20	--	--
Stark	--	--	--	--	--	--	--	--	--	--	--	--	--	*	--	--
Stephenson	--	--	--	--	--	--	--	--	--	--	--	11	--	--	--	--
Tazewell	--	--	--	28	9	--	14	--	--	--	--	--	--	14	--	--
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	41	--	--
Whiteside	--	--	--	--	8	--	3	--	--	--	--	6	--	--	--	--
Will	--	21	21	--	--	--	--	--	--	--	--	--	--	--	--	--
Winnebago	--	--	--	23	4	--	--	--	--	--	--	18	--	8	--	--
Woodford	--	--	--	15	6	--	2	--	--	--	--	6	--	*	--	--
Total	36	301	337	6,750	1,805	35	1,478	--	505	--	--	1,942	*	3,334	--	10

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Red-cedar	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut	Sweet-gum	Yellow-poplar
SOUTHERN UNIT																
Alexander	--	--	--	--	82	--	14	--	--	--	74	259	--	36	25	670
Franklin	--	--	--	751	7	41	682	--	55	--	--	179	--	3	149	14
Gallatin	--	--	--	57	35	--	26	--	--	--	--	15	--	1	28	30
Hamilton	--	--	--	230	4	--	364	--	--	--	--	43	--	--	17	23
Hardin	--	--	--	--	40	--	139	--	--	--	22	14	--	3	22	229
Jackson	--	--	--	521	157	55	576	--	60	*	--	375	--	48	18	275
Johnson	--	--	--	--	128	8	136	--	9	*	70	364	--	84	56	840
Massac	--	--	--	35	77	--	73	--	--	--	72	112	--	10	9	365
Perry	--	--	--	40	--	--	69	--	14	--	--	48	--	--	--	--
Pope	--	--	--	--	37	--	12	--	--	--	34	51	--	14	22	386
Pulaski	--	--	--	--	77	--	7	--	--	--	46	114	--	24	6	327
Randolph	--	--	--	52	36	8	10	--	10	*	--	55	--	17	--	77
Saline	--	--	--	362	15	--	181	--	--	*	16	30	--	--	101	126
Union	--	--	--	--	135	--	40	--	--	--	75	377	--	59	46	877
White	--	--	--	975	51	--	224	--	--	--	15	76	--	--	167	649
Williamson	--	--	--	--	7	--	8	--	--	--	23	327	--	3	12	206
Total	--	--	--	3,022	888	112	2,561	--	148	*	446	2,441	--	301	676	5,096
State total	36	301	337	15,529	6,525	954	8,600	20	1,952	*	467	11,198	*	5,515	1,003	5,701

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
CLAYPAN UNIT																
Bond	--	--	159	319	--	--	246	173	--	--	--	28	15	--	1,576	1,576
Calhoun	--	--	127	160	--	85	2,381	1,005	--	--	--	30	41	--	5,048	5,048
Clark	--	--	--	--	--	--	--	--	--	--	--	23	--	--	75	75
Clay	--	--	216	181	--	43	2,590	2,032	--	--	--	--	17	--	7,068	7,068
Clinton	--	--	86	131	--	--	2,524	2,059	--	--	--	29	30	--	7,149	7,149
Crawford	--	--	112	124	--	--	69	--	--	--	--	--	--	--	769	769
Cumberland	--	--	--	--	--	56	621	957	--	--	--	--	--	--	2,339	2,339
Edwards	--	--	17	35	--	--	123	18	--	--	--	--	3	--	257	257
Effingham	--	--	142	211	--	83	2,151	1,753	--	--	--	31	17	--	6,849	6,849
Fayette	--	--	208	292	--	48	2,888	2,299	1	--	6	--	28	--	8,316	8,316
Greene	--	--	15	40	--	22	537	138	--	--	--	29	28	--	1,255	1,255
Jasper	--	--	131	116	--	43	1,053	951	--	--	--	--	--	--	3,517	3,517
Jefferson	--	--	90	121	--	46	2,487	614	--	--	--	1	--	--	4,212	4,212
Jersey	--	--	23	108	--	33	697	599	--	--	--	93	48	--	2,302	2,302
Lawrence	--	--	165	403	--	--	357	--	--	--	--	--	--	--	1,461	1,461
Macoupin	--	--	4	--	--	138	4,073	7,610	--	--	--	8	139	--	12,179	12,179
Madison	--	--	8	70	--	28	254	247	2	--	13	24	18	--	855	855
Marion	--	--	240	142	--	51	3,112	3,403	1	--	4	12	23	--	9,514	9,514
Monroe	--	--	33	202	--	19	613	422	*	--	2	--	--	--	1,740	1,740
Montgomery	--	--	6	638	--	--	800	553	--	--	--	--	15	--	2,418	2,418
Richland	--	--	143	111	--	44	704	211	--	--	--	--	14	--	2,219	2,219
Shelby	--	--	--	--	--	--	1,449	1,305	--	--	--	8	--	--	3,616	3,616
St Clair	--	--	33	195	--	10	774	500	*	--	2	--	1	--	2,138	2,138
Wabash	--	--	28	69	--	4	95	3	--	--	--	--	--	--	230	230
Washington	--	--	109	44	--	--	1,353	472	*	--	3	--	62	--	2,898	2,898
Wayne	--	16	198	442	--	50	3,901	1,392	1	--	4	15	17	--	8,635	8,635
Total	--	16	2,291	4,153	--	802	35,854	28,716	5	--	34	331	517	--	98,634	98,634
PRAIRIE UNIT																
Adams	--	--	299	346	--	34	1,206	1,053	--	--	--	15	62	--	3,793	3,793
Boone	--	--	--	3	--	13	72	106	--	--	--	9	6	--	230	230
Brown	--	--	256	874	--	34	1,295	1,244	--	--	--	17	43	--	5,069	5,070
Bureau	--	--	--	9	1	4	--	43	--	--	--	--	--	--	110	110
Carroll	--	--	3	18	2	15	178	168	--	--	--	8	13	--	455	455
Cass	11	--	5	1,090	--	*	267	333	--	--	--	2	11	--	2,677	2,688
Champaign	--	--	--	--	--	--	50	25	--	--	--	--	--	--	99	99
Christian	1	--	--	7	--	1	15	15	--	--	--	3	1	1	62	63
PRAIRIE UNIT Continued																

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
PRAIRIE UNIT Continued																
Coles	--	--	18	17	--	6	447	435	--	--	--	--	--	--	1,368	1,368
Cook	--	--	--	69	--	69	35	35	--	69	--	69	72	--	900	969
De Kalb	--	--	--	6	*	--	7	55	--	--	--	3	3	--	89	89
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	2	--	2	2
Fulton	--	--	5	790	--	3	1,680	1,638	--	--	--	59	2	--	5,872	5,872
Grundy	--	--	--	14	*	--	--	35	--	--	--	--	3	--	54	54
Hancock	--	--	297	490	--	27	574	576	--	--	--	14	40	--	2,465	2,466
Henderson	--	--	23	166	--	6	279	272	--	--	--	14	7	--	1,003	1,003
Henry	--	--	4	189	--	468	403	230	--	--	--	32	4	--	2,886	2,886
Jo Daviess	--	--	3	20	2	26	232	217	--	--	--	17	15	--	587	587
Kane	--	--	--	72	--	69	41	76	--	69	--	69	70	--	960	1,029
Knox	--	--	--	71	--	1	17	21	--	--	--	--	--	--	168	168
La Salle	--	--	3	9	1	4	14	31	--	--	--	--	1	--	80	80
Lake	--	--	--	72	--	72	48	48	--	69	--	72	79	--	959	1,028
Lee	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	2
Logan	--	--	--	83	--	1	84	110	*	--	--	1	--	--	343	343
Marshall	--	--	*	--	--	--	75	50	--	--	--	--	1	--	180	180
Mason	11	--	--	923	--	--	233	298	*	--	--	--	11	--	2,369	2,380
McDonough	--	--	65	127	--	2	1,229	1,226	--	--	--	10	21	--	3,694	3,694
McHenry	--	--	--	69	--	82	99	99	--	69	--	78	75	--	1,065	1,134
Menard	--	--	1	3	--	2	5	3	*	--	--	6	--	--	41	42
Mercer	--	--	6	173	--	6	105	98	--	--	--	6	6	--	645	645
Morgan	--	--	9	435	--	--	115	139	--	--	--	--	--	--	973	973
Ogle	--	--	--	--	*	1	--	55	--	--	--	20	3	--	81	81
Peoria	--	--	--	83	--	5	141	147	--	--	--	--	--	--	460	460
Pike	--	--	299	587	--	36	2,290	1,834	--	--	--	18	52	--	6,217	6,217
Putnam	--	--	--	--	--	*	42	*	--	--	--	--	--	--	76	76
Rock Island	--	--	3	3	50	110	1,030	102	--	--	--	4	12	--	1,426	1,426
Sangamon	--	--	2	6	*	5	67	37	--	*	--	6	1	--	177	178
Schuyler	11	--	303	916	--	28	1,918	1,915	--	--	--	28	46	--	6,972	6,984
Scott	--	--	3	41	--	--	397	397	--	--	--	--	--	--	1,018	1,018
Stark	--	--	--	--	--	*	2	*	--	--	--	--	--	--	2	2
Stephenson	--	--	--	--	--	13	65	65	--	--	--	12	--	--	165	165
Tazewell	--	--	--	83	--	*	84	111	--	--	--	--	--	--	343	343
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	41	41
Whiteside	--	--	1	1	*	6	99	92	--	--	--	3	11	--	231	231
Will	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21
Winnebago	--	--	--	3	--	16	95	161	--	--	--	27	3	--	358	358
Woodford	--	--	--	--	--	*	2	*	--	--	--	--	--	--	31	31
Total	35	--	1,609	7,866	58	1,164	15,039	13,598	*	276	--	618	677	1	56,800	57,138

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
SOUTHERN UNIT																
Alexander	--	64	190	3,418	--	69	1,514	951	--	--	--	6	24	--	7,394	7,394
Franklin	--	--	55	255	--	--	4,395	303	--	28	--	--	159	--	7,076	7,076
Gallatin	--	4	24	42	--	--	529	138	--	--	--	4	--	--	934	934
Hamilton	--	4	17	283	--	--	3,159	131	--	--	--	4	--	--	4,280	4,280
Hardin	--	13	19	--	--	35	186	165	--	--	--	--	10	--	897	897
Jackson	--	--	28	62	--	14	3,559	827	3	--	23	--	34	--	6,637	6,637
Johnson	--	92	16	3	--	80	2,276	1,307	*	--	3	47	29	--	5,549	5,549
Massac	--	38	44	41	--	35	1,174	319	--	--	--	6	18	--	2,427	2,427
Perry	--	--	11	--	--	--	885	55	--	--	--	--	14	--	1,136	1,136
Pope	--	40	60	3	--	50	1,549	813	--	--	--	24	10	--	3,106	3,106
Pulaski	--	24	6	6	--	14	1,502	548	--	--	--	6	8	--	2,714	2,714
Randolph	--	--	10	299	--	15	371	284	*	--	3	--	--	--	1,247	1,247
Saline	--	30	86	189	--	--	1,838	401	--	--	--	15	--	--	3,391	3,391
Union	--	54	13	3	--	91	2,172	1,336	--	--	--	--	22	--	5,301	5,301
White	--	75	212	659	--	--	1,625	1,177	--	--	--	39	7	--	5,952	5,952
Williamson	--	13	6	--	--	23	98	83	--	--	--	--	3	--	812	812
Total	--	452	797	5,263	--	426	26,834	8,838	4	28	30	151	338	--	58,852	58,852
State total	35	467	4,697	17,282	58	2,393	77,727	51,151	9	304	63	1,100	1,531	1	214,286	214,623

** = Less than 500 board feet.*

1/ International 1/4-inch rule.

Rows and columns may not sum due to rounding.

Table 6.--Saw-log production by Forest Survey Unit, species group, and State of destination, Illinois, 1996

(In thousand board feet) 1/

Species group	ALL UNITS						
	Total	Illinois	Indiana	Iowa	Missouri	Wisconsin	Kentucky
SOFTWOODS							
Redcedar	36	36	--	--	--	--	--
White pine	301	301	--	--	--	--	--
Total	337	337	--	--	--	--	--
HARDWOODS							
Soft maple	15,529	11,225	2,357	770	1,177	--	--
Hard maple	6,525	5,027	738	128	543	--	89
River birch	954	832	--	18	33	--	71
Hickory	8,600	6,834	1,401	149	166	50	--
Pecan	20	--	--	--	20	--	--
Hackberry	1,952	1,735	166	51	--	--	--
Persimmon	*	--	--	--	--	--	*
Beech	467	3	381	--	--	--	84
Ash	11,198	8,303	1,472	179	1,129	54	61
Honeylocust	*	*	--	--	--	--	--
Black walnut	5,515	3,811	789	268	642	--	6
Sweetgum	1,003	840	162	--	--	--	--
Yellow-poplar	5,701	1,479	2,898	--	668	--	655
Osage-orange	35	35	--	--	--	--	--
Tupelo	467	77	4	--	--	--	386
Sycamore	4,697	3,624	676	61	248	--	89
Cottonwood	17,282	11,172	764	944	4,313	--	89
Aspen	58	--	8	--	--	50	--
Black cherry	2,393	1,452	431	59	286	165	--
Red oak group	77,727	58,399	6,107	2,100	7,036	1,224	2,860
White oak group	51,151	40,009	3,884	1,522	4,447	324	965
Black locust	9	*	9	--	--	--	--
Willow	304	304	--	--	--	--	--
Sassafras	63	--	63	--	--	--	--
Basswood	1,100	479	230	188	72	43	89
Elm	1,531	970	165	98	210	--	89
Other hardwoods	1	1	--	--	--	--	--
Total	214,286	156,612	22,705	6,536	20,989	1,910	5,533
All species	214,623	156,950	22,705	6,536	20,989	1,910	5,533

(Table 6 continued on next page)

(Table 6 continued)

Species group	Total	Illinois	Indiana	Iowa	Missouri	Wisconsin	Kentucky
			CLAYPAN UNIT				
HARDWOODS							
Soft maple	5,757	3,731	1,467	--	559	--	--
Hard maple	3,831	2,908	672	--	252	--	--
River birch	807	791	--	--	17	--	--
Hickory	4,561	3,611	840	--	110	--	--
Pecan	20	--	--	--	20	--	--
Hackberry	1,299	1,211	88	--	--	--	--
Beech	21	--	21	--	--	--	--
Ash	6,815	5,501	769	--	545	--	--
Black walnut	1,880	655	752	--	472	--	--
Sweetgum	327	277	50	--	--	--	--
Yellow-poplar	595	345	250	--	--	--	--
Tupelo	16	15	1	--	--	--	--
Sycamore	2,291	1,726	530	--	35	--	--
Cottonwood	4,153	3,346	445	--	362	--	--
Black cherry	802	533	119	--	151	--	--
Red oak group	35,854	30,405	2,037	--	3,412	--	--
White oak group	28,716	24,519	2,753	--	1,444	--	--
Black locust	5	--	5	--	--	--	--
Sassafras	34	--	34	--	--	--	--
Basswood	331	57	219	--	55	--	--
Elm	517	359	36	--	121	--	--
Total	98,634	79,988	11,089	--	7,556	--	--
All species	98,634	79,988	11,089	--	7,556	--	--

(Table 6 contined on next page)

(Table 6 continued)

Species group	PRARIE UNIT						
	Total	Illinois	Indiana	Iowa	Missouri	Wisconsin	Kentucky
SOFTWOODS							
Redcedar	36	36	--	--	--	--	--
White pine	301	301	--	--	--	--	--
Total	337	337	--	--	--	--	--
HARDWOODS							
Soft maple	6,750	5,394	20	770	566	--	--
Hard maple	1,805	1,617	13	128	47	--	--
River birch	35	--	--	18	17	--	--
Hickory	1,478	1,170	53	149	55	50	--
Hackberry	505	454	--	51	--	--	--
Ash	1,942	1,512	41	179	156	54	--
Honeylocust	*	*	--	--	--	--	--
Black walnut	3,334	3,013	5	268	48	--	--
Yellow-poplar	10	10	--	--	--	--	--
Osage-orange	35	35	--	--	--	--	--
Sycamore	1,609	1,449	66	61	33	--	--
Cottonwood	7,866	6,626	66	944	230	--	--
Aspen	58	--	8	--	--	50	--
Black cherry	1,164	918	9	59	14	165	--
Red oak group	15,039	10,707	178	2,100	829	1,224	--
White oak group	13,598	11,095	174	1,522	483	324	--
Black locust	*	*	--	--	--	--	--
Willow	276	276	--	--	--	--	--
Basswood	618	360	10	188	17	43	--
Elm	677	484	7	98	88	--	--
Other hardwoods	1	1	--	--	--	--	--
Total	56,800	45,121	650	6,536	2,583	1,910	--
All species	57,138	45,459	650	6,536	2,583	1,910	--

(Table 6 contined on next page)

(Table 6 continued)

Species group	Total	Illinois	Indiana	Iowa	Missouri	Wisconsin	Kentucky
			SOUTHERN UNIT				
HARDWOODS							
Soft maple	3,022	2,100	869	--	52	--	--
Hard maple	888	502	53	--	244	--	89
River birch	112	41	--	--	--	--	71
Hickory	2,561	2,053	508	--	--	--	--
Hackberry	148	70	78	--	--	--	--
Persimmon	0	--	--	--	--	--	0
Beech	446	3	360	--	--	--	84
Ash	2,441	1,290	662	--	428	--	61
Black walnut	301	142	32	--	121	--	6
Sweetgum	676	563	113	--	--	--	--
Yellow-poplar	5,096	1,125	2,648	--	668	--	655
Tupelo	452	62	4	--	--	--	386
Sycamore	797	449	80	--	179	--	89
Cottonwood	5,263	1,201	253	--	3,721	--	89
Black cherry	426	1	304	--	121	--	--
Red oak group	26,834	17,287	3,892	--	2,795	--	2,860
White oak group	8,838	4,395	957	--	2,520	--	965
Black locust	4	--	4	--	--	--	--
Willow	28	28	--	--	--	--	--
Sassafras	30	--	30	--	--	--	--
Basswood	151	62	--	--	--	--	89
Elm	338	127	122	--	--	--	89
Total	58,852	31,503	10,967	--	10,850	--	5,533
All species	58,852	31,503	10,967	--	10,850	--	5,533

** = Less than 500 board feet.*

1/ International 1/4-inch rule.

Rows and columes may not sum due to rounding.

Table 7.--Saw-log receipts by Forest Survey Unit, species group, and State of origin, Illinois, 1996

(In thousand board feet) 1/

Species group	Total	Illinois	Iowa	Missouri	Wisconsin
SOFTWOODS					
Redcedar	36	36	--	--	--
White pine	370	301	--	--	69
Total	406	337	--	--	69
HARDWOODS					
Soft maple	11,439	11,225	17	14	184
Hard maple	5,085	5,027	13	6	39
River birch	832	832	--	--	--
Hickory	6,988	6,834	--	84	69
Hackberry	1,807	1,735	--	3	69
Beech	3	3	--	--	--
Ash	9,118	8,303	13	729	74
Honeylocust	*	*	--	--	--
Black walnut	4,519	3,811	159	319	230
Sweetgum	840	840	--	--	--
Yellow-poplar	1,479	1,479	--	--	--
Osage-orange	35	35	--	--	--
Tupelo	77	77	--	--	--
Sycamore	3,638	3,624	--	14	--
Cottonwood	11,257	11,172	8	3	75
Black cherry	1,594	1,452	36	13	93
Red oak group	59,547	58,399	433	631	84
White oak group	40,434	40,009	165	110	150
Black locust	*	*	--	--	--
Willow	373	304	--	--	69
Basswood	548	479	--	--	69
Elm	1,059	970	4	14	72
Other hardwoods	1	1	--	--	--
Total	160,675	156,612	849	1,938	1,276
All species	161,082	156,950	849	1,938	1,345

(Table 7 continued on next page)

(Table 7 continued)

Species group	Total	Illinois	Iowa	Missouri	Wisconsin
		CLAYPAN UNIT			
SOFTWOODS					
Redcedar	1	1	--	--	--
Total	1	1	--	--	--
HARDWOODS					
Soft maple	3,872	3,872	--	--	--
Hard maple	2,879	2,875	--	4	--
River birch	832	832	--	--	--
Hickory	3,893	3,850	--	43	--
Hackberry	1,299	1,296	--	3	--
Ash	6,532	5,825	--	707	--
Black walnut	670	669	--	1	--
Sweetgum	250	250	--	--	--
Yellow-poplar	243	243	--	--	--
Osage-orange	1	1	--	--	--
Sycamore	1,772	1,772	--	--	--
Cottonwood	3,222	3,220	--	3	--
Black cherry	540	540	--	--	--
Red oak group	31,404	31,343	--	61	--
White oak group	24,471	24,407	--	63	--
Willow	28	28	--	--	--
Basswood	44	44	--	--	--
Elm	393	386	--	7	--
Other hardwoods	1	1	--	--	--
Total	82,345	81,454	--	891	--
All species	82,347	81,455	--	891	--

(Table 7 continued on next page)

(Table 7 continued)

Species group	PRAIRIE UNIT				
	Total	Illinois	Iowa	Missouri	Wisconsin
SOFTWOODS					
Redcedar	35	35	--	--	--
White pine	370	301	--	--	69
Total	405	336	--	--	69
HARDWOODS					
Soft maple	5,526	5,325	17	--	184
Hard maple	1,695	1,642	13	2	39
Hickory	1,157	1,088	--	--	69
Hackberry	508	439	--	--	69
Ash	1,396	1,308	13	2	74
Honeylocust	*	*	--	--	--
Black walnut	3,710	3,003	159	317	230
Yellow-poplar	11	11	--	--	--
Osage-orange	33	33	--	--	--
Sycamore	1,433	1,433	--	--	--
Cottonwood	6,637	6,554	8	--	75
Black cherry	1,054	912	36	13	93
Red oak group	11,197	10,662	433	18	84
White oak group	11,392	11,071	165	5	150
Black locust	*	*	--	--	--
Willow	345	276	--	--	69
Basswood	427	358	--	--	69
Elm	560	484	4	--	72
Total	47,081	44,600	849	357	1,276
All species	47,486	44,936	849	357	1,345

(Table 7 continued on next page)

(Table 7 continued)

Species group	PRAIRIE UNIT				
	Total	Illinois	Iowa	Missouri	Wisconsin
HARDWOODS					
Soft maple	2,041	2,027	--	14	--
Hard maple	511	511	--	--	--
Hickory	1,938	1,896	--	41	--
Beech	3	3	--	--	--
Ash	1,191	1,170	--	21	--
Black walnut	139	139	--	--	--
Sweetgum	591	591	--	--	--
Yellow-poplar	1,225	1,225	--	--	--
Tupelo	77	77	--	--	--
Sycamore	433	420	--	14	--
Cottonwood	1,398	1,398	--	--	--
Red oak group	16,946	16,394	--	552	--
White oak group	4,572	4,531	--	41	--
Basswood	77	77	--	--	--
Elm	106	99	--	7	--
Total	31,249	30,559	--	690	--
All species	31,249	30,559	--	690	--

** = Less than 500 board feet.*

1/ International 1/4-inch rule.

Rows and columns may not sum due to rounding.

Table 8.--Veneer log and bolt production in Illinois by species group for 1966, 1970, 1976, 1983, and 1996

(In thousand board feet) 1/

Species group	1966	1970	1976	1983	1996
HARDWOODS					
Soft maple	90	180	292	--	57
Hard maple	36	21	4	--	183
Hickory	163	238	163	85	11
Ash	13	6	29	18	138
Black walnut	2,372	1,842	942	760	1,013
Sweetgum	133	164	24	--	57
Yellow-poplar	521	22	26	2	230
Sycamore	202	142	72	--	114
Black cherry	4	--	1	--	52
Red oak group	868	186	221	540	400
White oak group	71	172	1,262	2,555	3,069
Cottonwood	2,131	1,684	1,486	7	--
Basswood	22	21	--	--	--
Elm	901	3	11	3	9
Total	7,527	4,681	4,533	3,970	5,334

1/ International 1/4-inch rule.

Table 9.--Veneer log and bolt production by Forest Survey Unit, species group, and State or country of destination, Illinois, 1996

(In thousand board feet) 1/

Species group	ALL UNITS									
	Total	Illinois	Indiana	Michigan	Missouri	Wisconsin	Kentucky	Ohio	Other U.S.	Other foreign
HARDWOODS										
Soft maple	57	--	57	--	--	--	--	--	--	--
Hard maple	183	57	63	46	--	--	--	--	17	--
River birch	3	--	3	--	--	--	--	--	--	--
Hickory	11	--	11	--	--	--	--	--	--	--
Ash	138	108	2	11	--	--	--	--	17	--
Black walnut	1,013	182	409	23	17	--	23	84	18	257
Sweetgum	57	--	57	--	--	--	--	--	--	--
Yellow-poplar	230	--	228	--	--	--	2	--	--	--
Sycamore	114	--	114	--	--	--	--	--	--	--
Black cherry	52	5	47	--	--	--	--	1	--	--
Red oak group	400	--	108	46	29	23	58	--	--	137
White oak group	3,069	570	950	211	815	12	13	41	101	356
Elm	6	--	--	6	--	--	--	--	--	--
Total	5,334	922	2,049	342	861	35	96	126	153	750

(Table 9 contined on next page)

(Table 9 continued)

CLAYPAN UNIT

Species group	Total	Illinois	Indiana	Michigan	Missouri	Wisconsin	Kentucky	Ohio	Other U.S.	Other foreign
HARDWOODS										
Soft maple	36	--	36	--	--	--	--	--	--	--
Hard maple	8	--	--	--	--	--	--	--	8	--
Hickory	7	--	7	--	--	--	--	--	--	--
Ash	7	--	--	--	--	--	--	--	7	--
Black walnut	140	--	2	--	8	--	--	37	8	85
Sweetgum	17	--	17	--	--	--	--	--	--	--
Sycamore	99	--	99	--	--	--	--	--	--	--
Red oak group	59	--	--	--	10	--	--	--	--	49
White oak group	630	--	159	--	359	--	--	15	36	60
Total	1,003	--	320	--	377	--	--	52	60	194

PRAIRIE UNIT

HARDWOODS										
Hard maple	176	57	63	46	--	--	--	--	9	--
River birch	3	--	3	--	--	--	--	--	--	--
Ash	124	108	2	11	--	--	--	--	2	--
Black walnut	821	182	406	23	9	--	--	47	10	143
Black cherry	52	5	47	--	--	--	--	1	--	--
Red oak group	269	--	108	46	18	23	--	--	--	74
White oak group	2,141	570	722	211	456	12	--	23	56	91
Elm	6	--	--	6	--	--	--	--	--	--
Total	3,591	922	1,351	342	484	35	--	70	78	308

(Table 9 contined on next page)

(Table 9 continued)

Species group	Total	Illinois	Indiana	Michigan	Missouri	Wisconsin	Kentucky	Ohio	Other U.S.	Other foreign
					SOUTHERN UNIT					
HARDWOODS										
Soft maple	21	--	21	--	--	--	--	--	--	--
Hickory	4	--	4	--	--	--	--	--	--	--
Ash	7	--	--	--	--	--	--	--	7	--
Black walnut	53	--	1	--	--	--	23	--	--	29
Sweetgum	40	--	40	--	--	--	--	--	--	--
Yellow-poplar	230	--	228	--	--	--	2	--	--	--
Sycamore	15	--	15	--	--	--	--	--	--	--
Black cherry	*	--	--	--	--	--	--	*	--	--
Red oak group	72	--	--	--	--	--	58	--	--	14
White oak group	298	--	69	--	--	--	13	3	8	204
Total	740	--	378	--	--	--	96	4	16	247

** = Less than 500 board feet.*

1/ International 1/4-inch rule.

Rows and columns may not sum due to rounding.

Table 10.--Veneer log and bolt production by Forest Survey Unit, county, and species group, Illinois, 1996

(In thousand board feet) 1/

Unit and county	Soft maple	Hard maple	River birch	Hickory	Ash	Black walnut	Sweet-gum	Yellow poplar	Syca-more	Black cherry	Red oak group	White oak group	Elm	All species
CLAYPAN UNIT														
Calhoun	--	--	--	--	--	23	--	--	18	--	10	118	--	169
Clay	3	--	--	--	--	--	--	--	7	--	--	--	--	10
Clinton	--	2	--	2	2	--	--	--	--	--	--	--	--	6
Crawford	4	--	--	--	--	--	5	--	16	--	--	--	--	24
Fayette	5	--	--	--	--	6	--	--	--	--	--	--	--	11
Greene	--	--	--	--	--	21	--	--	--	--	7	95	--	124
Jasper	6	--	--	--	--	--	3	--	13	--	--	--	--	22
Jersey	--	1	--	--	--	21	--	--	--	--	7	106	--	135
Lawrence	4	--	--	--	--	--	6	--	19	--	--	--	--	29
Macoupin	--	--	--	--	--	32	--	--	--	--	14	165	--	211
Marion	--	1	--	1	1	--	--	--	--	--	--	--	--	4
Montgomery	--	--	--	--	--	10	--	--	--	--	9	29	--	48
Richland	6	--	--	1	2	--	--	--	7	--	--	--	--	16
Shelby	--	--	--	--	--	25	--	--	--	--	12	118	--	154
St. Clair	--	1	--	1	1	--	--	--	--	--	--	--	--	3
Washington	--	2	--	1	1	--	--	--	10	--	--	--	--	15
Wayne	9	--	--	1	--	--	3	--	9	--	--	--	--	22
Total	36	8	--	7	7	140	17	--	99	--	59	630	--	1,003
PRAIRIE UNIT														
Adams	--	--	--	--	--	74	--	--	--	--	33	218	--	325
Boone	--	--	--	--	--	--	--	--	--	--	--	--	1	1
Brown	--	12	--	--	1	--	--	--	--	--	--	--	--	12
Bureau	--	--	*	--	--	--	--	--	--	5	--	--	--	5
Carroll	--	--	1	--	1	8	--	--	--	11	--	--	*	21
Cook	--	--	--	--	--	--	--	--	--	--	--	--	1	1
De Kalb	--	--	*	--	--	--	--	--	--	--	--	--	--	*
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	*	*
Fulton	--	30	--	--	8	99	--	--	--	3	44	296	*	481
Grundy	--	--	*	--	--	--	--	--	--	--	--	--	--	*
Hancock	--	--	--	--	--	46	--	--	--	--	24	93	--	163
Henderson	--	11	--	--	22	36	--	--	--	1	--	114	--	185
Henry	--	--	--	--	--	--	--	--	--	3	--	--	--	3
Jo Daviess	--	--	1	--	1	109	--	--	--	10	55	355	*	532
Knox	--	11	--	--	22	78	--	--	--	1	--	114	--	226
La Salle	--	--	*	--	--	--	--	--	--	5	--	--	--	6
Lake	--	--	--	--	--	--	--	--	--	--	--	--	1	1
Marshall	--	17	--	--	1	--	--	--	--	--	--	--	--	18
McHenry	--	--	--	--	--	--	--	--	--	--	--	--	1	1
Mercer	--	11	--	--	22	36	--	--	--	5	--	114	--	188
Morgan	--	7	--	--	1	--	--	--	--	--	--	--	--	7
Ogle	--	--	*	--	--	33	--	--	--	2	20	81	1	138
Peoria	--	14	--	--	22	74	--	--	--	--	--	114	--	223
Pike	--	13	--	--	1	79	--	--	--	--	37	237	--	366
Putnam	--	7	--	--	1	--	--	--	--	--	--	--	--	7
Rock Island	--	11	*	--	22	82	--	--	--	4	26	207	--	352
Sangamon	--	--	*	--	--	--	--	--	--	--	--	--	--	*
Schuyler	--	21	--	--	1	64	--	--	--	2	29	198	--	315
Tazewell	--	4	--	--	--	--	--	--	--	--	--	--	--	4
Whiteside	--	--	*	--	--	--	--	--	--	--	--	--	--	*
Winnebago	--	--	--	--	--	--	--	--	--	--	--	--	*	*
Woodford	--	6	--	--	*	--	--	--	--	--	--	--	--	7
Total	--	176	3	--	124	821	--	--	--	52	269	2,141	6	3,591
SOUTHERN UNIT														
Alexander	--	--	--	--	1	--	6	--	--	--	--	21	--	28
Franklin	6	--	--	1	--	--	13	--	--	--	--	--	--	20
Gallatin	--	--	--	--	--	--	--	--	--	--	--	7	--	7
Hardin	--	--	--	1	--	--	--	--	--	--	--	17	--	18
Jackson	6	--	--	1	--	16	--	--	--	--	36	57	--	116
Johnson	--	--	--	1	1	--	7	--	--	*	--	14	--	22
Massac	--	--	--	--	--	--	3	--	--	--	--	14	--	17
Pope	--	--	--	--	--	18	--	--	7	--	36	43	--	104
Pulaski	--	--	--	--	--	--	--	--	--	--	--	10	--	10
Randolph	--	--	--	--	--	--	--	--	--	--	--	24	--	24
Saline	--	--	--	--	--	--	--	--	--	--	--	10	--	10
Union	--	--	--	--	1	--	6	230	--	*	--	17	--	255
White	9	--	--	--	--	--	5	--	8	--	--	--	--	23
Williamson	--	--	--	--	3	18	--	--	--	--	--	64	--	85
Total	21	--	--	4	7	53	40	230	15	*	72	298	--	740
State total	57	183	3	11	138	1,013	57	230	114	52	400	3,069	6	5,334

** = Less than 500 board feet.*

1/ International 1/4-inch rule.

Rows and columns may not sum due to rounding.

Table 11.--Pulpwood production in Illinois by species group, 1965, 1970, 1975, 1980, 1983, and 1996

(In standard cords, unpeeled) 1/

Species group	1965	1970	1975	1980	1983	1996
Roundwood						
Softwoods	3,311	1,280	1,858	18,468	18,201	4,152
Soft hardwoods	56,552	33,571	14,754	13,332	19,638	28,779
Hard Hardwoods	17,486	31,708	15,547	25,034	19,183	8,541
Total	77,349	66,559	32,159	56,834	57,022	41,472
Residue						
Softwoods	778	1,401	4,184	892	3,395	22
Hardwoods	13,582	50,060	68,693	44,691	30,509	53,453
Total	14,360	51,461	72,877	45,583	33,904	53,476
All material	91,709	118,020	105,036	102,417	90,926	94,948

1/ 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.

Rows and columns may not sum due to rounding.

Table 12.--Pulpwood production by species group and Forest Survey Unit, Illinois, 1996

(In standard cords, unpeeled) 1/

Species group	Total	Claypan	Prairie	Southern
ROUNDWOOD				
SOFTWOODS				
Jack pine	24	--	24	--
Shortleaf pine	2,314	--	--	2,314
Red pine	1,815	--	1,815	--
Total	4,152	--	1,839	2,314
HARDWOODS 2/				
Soft maple	6,533	173	1,452	4,909
Hard maple	564	153	411	--
Hickory	3,345	1,595	1,595	1,278
Hackberry	5,071	--	--	5,071
Ash	449	184	265	--
Yellow-poplar	537	537	--	--
Sycamore	57	--	57	--
Cottonwood	10,278	--	5,159	5,159
Red oak group	2,026	585	761	680
White oak group	1,549	632	367	551
Elm	6,302	--	1,473	4,830
Other hardwoods	608	608	--	--
Total	37,320	3,343	11,499	22,478
All species	41,472	3,343	13,338	24,791
RESIDUES				
Softwoods	22	3/	3/	3/
Hardwoods	53,453	3/	3/	3/
Total	53,476	3/	3/	3/
All materials	94,948	3/	3/	3/

1/ 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.

2/ Includes chips from roundwood.

3/ Not available.

Rows and columns may not sum due to rounding.

Table 13.—Wood material harvested for industrial roundwood by Forest Survey Unit, source of material, and species group, Illinois, 1996 17

(In thousand cubic feet)

ALL UNITS

Species group	Growing stock				Non-growing stock							Total material used for products	Total material not used	Total material harvested
	Used for products		Logging residue		Used for products					Logging slash				
	Saw-timber	Pole-timber	(not used)	TOTAL	Limb-wood	Sap-lings	Cull trees	Dead trees	Nonforest trees	(not used)	TOTAL			
SOFTWOODS														
Redcedar	7.6	--	*	7.7	--	--	0.1	--	--	4.3	4.3	7.7	4.3	12.0
Jack pine	0.5	1.4	*	1.9	--	--	*	--	--	0.6	0.6	1.9	0.6	2.5
Shortleaf pine	47.4	131.9	2.1	181.4	--	--	3.5	--	--	54.6	58.1	182.8	56.7	239.5
Red pine	37.2	103.4	1.6	142.3	--	--	2.7	--	--	42.8	45.5	143.4	44.5	187.8
White pine	52.3	--	5.6	57.9	--	--	0.1	--	--	67.0	67.1	52.4	72.7	125.0
Total	145.1	236.7	9.4	391.1	--	--	6.3	--	--	169.3	175.7	388.1	178.7	566.8
HARDWOODS														
Soft maple	2,797.2	155.1	721.2	3,673.5	223.8	4.8	97.3	4.1	--	1,574.3	1,904.3	3,282.3	2,295.5	5,577.8
Hard maple	1,091.7	57.6	300.0	1,449.4	64.7	1.9	13.4	0.6	--	659.3	739.9	1,229.9	959.3	2,189.3
River birch	151.5	9.6	47.7	208.8	8.9	--	1.9	1.5	--	101.6	113.9	173.4	149.3	322.7
Hickory	1,611.5	252.6	604.5	2,468.7	120.6	7.0	62.6	16.7	--	923.9	1,130.7	2,071.0	1,528.4	3,599.4
Pecan	7.4	19.2	3.5	30.1	5.6	--	3.6	*	--	2.6	11.8	35.8	6.2	42.0
Hackberry	564.1	63.6	116.5	744.3	95.2	--	74.1	5.7	--	216.7	391.6	802.7	333.2	1,135.9
Persimmon	*	--	*	*	*	--	*	*	--	*	*	*	*	0.1
Beech	73.0	--	22.7	95.7	3.0	--	*	0.7	--	49.6	53.4	76.8	72.3	149.1
Ash	1,791.0	89.0	556.5	2,436.5	95.9	1.3	15.2	18.4	--	1,192.7	1,323.5	2,010.8	1,749.2	3,760.0
Honeylocust	0.1	--	*	0.1	*	--	*	*	--	0.0	0.0	0.1	0.1	0.1
Black walnut	834.1	20.6	79.9	934.6	21.3	--	26.5	--	119.7	124.0	291.6	1,022.3	203.9	1,226.2
Sweetgum	164.4	--	49.9	214.3	6.4	--	0.1	1.6	--	106.9	115.0	172.5	156.8	329.3
Yellow-poplar	941.2	85.0	289.5	1,315.6	58.2	1.8	12.1	9.7	--	609.4	691.2	1,108.0	898.8	2,006.8
Osage-orange	--	--	--	--	0.2	--	5.4	0.1	--	19.6	25.3	5.7	19.6	25.3
Tupelo	73.0	--	22.7	95.7	3.0	--	*	0.7	--	49.6	53.4	76.8	72.4	149.2
Sycamore	761.1	50.3	237.1	1,048.5	44.4	0.2	9.6	7.6	--	501.1	562.8	873.2	738.2	1,611.3
Cottonwood	3,027.4	444.6	438.1	3,910.1	207.3	15.2	128.6	7.8	--	1,537.1	1,896.0	3,830.9	1,975.3	5,806.1
Aspen	9.1	--	2.8	11.9	0.4	--	*	0.1	--	6.2	6.6	9.6	9.0	18.6
Black cherry	383.1	9.6	118.7	511.3	18.1	--	2.0	3.8	--	254.8	278.7	416.6	373.5	790.1
Red oak group	12,434.1	498.1	3,720.8	16,652.9	657.7	4.6	160.5	336.0	--	7,323.2	8,482.0	14,091.0	11,043.9	25,134.9
White oak group	8,746.3	269.4	2,548.1	11,563.8	418.5	3.2	114.8	221.3	--	4,844.1	5,602.0	9,773.6	7,392.2	17,165.8
Black locust	1.5	--	0.5	1.9	0.1	--	*	*	--	1.0	1.1	1.5	1.5	3.0
Willow	47.4	--	14.8	62.2	1.9	--	*	0.5	--	32.2	34.7	49.9	47.0	96.9
Sassafras	9.9	--	3.1	13.0	0.4	--	*	0.1	--	6.7	7.3	10.4	9.8	20.2
Basswood	171.9	--	53.5	225.4	7.0	--	0.1	1.8	--	116.9	125.8	180.8	170.3	351.1
Elm	503.1	91.4	90.8	685.3	93.3	4.4	67.9	6.4	--	172.5	344.6	766.5	263.3	1,029.9
Other hardwoods	7.6	31.1	0.1	38.7	6.0	2.1	0.9	0.7	--	0.9	10.5	48.3	0.9	49.2
Total	36,202.6	2,146.8	10,043.1	48,392.5	2,161.8	46.5	796.8	645.9	119.7	20,427.0	24,197.8	42,120.1	30,470.1	72,590.3
All species	36,347.6	2,383.5	10,052.5	48,783.6	2,161.8	46.5	803.2	645.9	119.7	20,596.3	24,373.5	42,508.2	30,648.8	73,157.1

(Table 13 continued on next page)

(Table 13 continued)

CLAYPAN UNIT

Species group	Growing stock				Non-growing stock							Total material used for products	Total material not used	Total material harvested
	Used for products		Logging residue		Used for products					Logging slash				
	Saw-timber	Pole-timber	(not used)	TOTAL	Limb-wood	Sap-lings	Cull trees	Dead trees	Nonforest trees	(not used)	TOTAL			
HARDWOODS														
Soft maple	936.2	8.8	258.7	1,203.7	46.6	0.6	6.6	0.2	--	579.7	633.6	999.0	838.3	1,837.3
Hard maple	621.3	7.8	171.8	800.9	31.4	0.5	4.4	0.2	--	385.7	422.2	665.6	557.5	1,223.1
River birch	126.1	--	39.2	165.3	5.2	--	0.1	1.3	--	85.7	92.3	132.6	125.0	257.6
Hickory	723.7	44.6	224.6	992.9	39.7	1.6	5.0	7.8	--	485.6	539.7	822.5	710.1	1,532.6
Pecan	3.1	--	1.0	4.1	0.1	--	*	*	--	2.1	2.3	3.3	3.1	6.4
Hackberry	202.9	--	63.1	266.1	8.3	--	0.1	2.1	--	138.0	148.5	213.5	201.1	414.6
Beech	3.3	--	1.0	4.3	0.1	--	*	*	--	2.2	2.4	3.5	3.3	6.7
Ash	1,072.4	29.9	334.1	1,436.4	51.3	0.6	4.8	11.1	--	724.6	792.4	1,170.1	1,058.7	2,228.9
Black walnut	262.0	20.5	27.0	309.5	11.1	--	11.5	--	37.1	40.3	100.1	342.3	67.3	409.6
Sweetgum	53.5	--	16.2	69.7	2.1	--	0.0	0.5	--	34.9	37.5	56.1	51.1	107.2
Yellow-poplar	99.5	27.4	28.9	155.8	9.1	1.8	0.9	1.5	--	63.9	77.2	140.2	92.8	233.0
Tupelo	2.5	--	0.8	3.2	0.1	--	*	*	--	1.7	1.8	2.6	2.4	5.0
Sycamore	371.5	--	113.4	484.9	14.7	--	0.2	3.7	--	244.1	262.7	390.0	357.5	747.6
Cottonwood	658.4	102.7	108.5	869.5	36.0	--	21.7	--	--	367.3	425.0	818.8	475.8	1,294.5
Black cherry	125.3	--	39.0	164.3	5.1	--	0.1	1.3	--	85.2	91.7	131.8	124.2	256.0
Red oak group	5,676.9	112.0	1,697.4	7,486.3	265.9	2.0	48.5	154.8	--	3,373.6	3,844.7	6,260.1	5,070.9	11,331.1
White oak group	4,641.1	155.5	1,379.1	6,175.7	231.0	2.1	49.8	124.2	--	2,708.2	3,115.4	5,203.8	4,087.3	9,291.1
Black locust	0.7	--	0.2	1.0	*	--	*	*	--	0.5	0.5	0.8	0.7	1.5
Sassafras	5.3	--	1.6	6.9	0.2	--	*	0.1	--	3.6	3.9	5.5	5.2	10.8
Basswood	51.7	--	16.1	67.8	2.1	--	*	0.5	--	35.2	37.8	54.4	51.2	105.6
Elm	80.7	--	25.1	105.8	3.3	--	0.1	0.8	--	54.9	59.1	84.9	80.0	164.9
Other hardwoods	7.4	31.1	--	38.4	6.0	2.1	0.9	0.7	--	0.7	10.3	48.0	0.7	48.8
Total	15,725.4	540.5	4,546.9	20,812.8	769.5	11.4	154.7	310.8	37.1	9,417.5	10,701.1	17,549.4	13,964.4	31,513.9
All species	15,725.4	540.5	4,546.9	20,812.8	769.5	11.4	154.7	310.8	37.1	9,417.5	10,701.1	17,549.4	13,964.4	31,513.9

(Table 13 contined on next page)

(Table 13 continued)

PRAIRIE UNIT

Species group	Growing stock				Non-growing stock							Total material used for products	Total material not used	Total material harvested
	Used for products		Logging residue		Used for products					Logging slash				
	Saw-timber	Pole-timber	(not used)	TOTAL	Limb-wood	Sap-lings	Cull trees	Dead trees	Nonforest trees	(not used)	TOTAL			
SOFTWOODS														
Redcedar	7.6	--	*	7.7	--	--	0.1	--	--	4.3	4.3	7.7	4.3	12.0
Jack pine	0.5	1.4	*	1.9	--	--	*	--	--	0.6	0.6	1.9	0.6	2.5
Red pine	37.2	103.4	1.6	142.3	--	--	2.7	--	--	42.8	45.5	143.4	44.5	187.8
White pine	52.3	--	5.6	57.9	--	--	0.1	--	--	67.0	67.1	52.4	72.7	125.0
Total	97.6	104.8	7.3	209.7	--	--	2.9	--	--	114.7	117.6	205.3	122.0	327.3
HARDWOODS														
Soft maple	1,114.9	64.0	303.0	1,481.9	67.7	4.2	12.0	1.5	--	680.9	766.3	1,264.2	983.9	2,248.2
Hard maple	320.6	21.1	84.6	426.2	18.1	1.4	2.6	0.5	--	183.5	206.1	364.2	268.1	632.3
River birch	5.7	--	1.7	7.5	0.2	--	0.0	0.1	--	3.7	4.0	6.0	5.4	11.4
Hickory	250.7	80.8	71.9	403.3	25.1	5.4	2.7	4.1	--	158.8	196.2	368.8	230.7	599.5
Hackberry	78.9	--	24.5	103.5	3.2	--	0.1	0.8	--	53.6	57.7	83.0	78.2	161.2
Ash	325.7	11.1	97.2	434.1	15.2	0.7	1.2	3.4	--	207.6	228.2	357.4	304.8	662.2
Honeylocust	0.1	--	*	0.1	*	--	*	*	--	*	*	0.1	0.1	0.1
Black walnut	527.2	0.1	48.7	575.9	9.3	--	13.7	--	76.1	77.0	176.2	626.4	125.7	752.2
Yellow-poplar	1.5	--	0.5	2.0	0.1	--	*	*	--	1.0	1.1	1.6	1.5	3.1
Osage-orange	--	--	--	--	0.2	--	5.4	0.1	--	19.6	25.3	5.7	19.6	25.3
Sycamore	252.4	2.3	78.2	333.0	10.9	0.2	0.4	2.6	--	170.9	185.0	268.8	249.1	518.0
Cottonwood	1,289.7	230.1	181.3	1,701.0	65.2	15.2	19.8	5.2	--	697.0	802.5	1,625.2	878.3	2,503.6
Aspen	9.1	--	2.8	11.9	0.4	--	*	0.1	--	6.2	6.6	9.6	9.0	18.6
Black cherry	189.0	--	57.7	246.7	7.5	--	0.1	1.9	--	124.1	133.5	198.4	181.7	380.1
Red oak group	2,413.4	38.9	712.4	3,164.7	106.7	2.6	14.7	65.5	--	1,416.7	1,606.2	2,641.8	2,129.1	4,770.9
White oak group	2,446.5	16.3	685.0	3,147.9	93.6	1.1	14.1	58.8	--	1,295.9	1,463.5	2,630.4	1,981.0	4,611.4
Black locust	0.1	--	*	0.1	*	--	*	*	--	*	*	0.1	0.1	0.1
Willow	43.1	--	13.4	56.5	1.8	--	*	0.4	--	29.3	31.6	45.4	42.7	88.1
Basswood	96.6	--	30.0	126.6	4.0	--	0.1	1.0	--	65.7	70.7	101.6	95.7	197.3
Elm	130.8	66.9	33.5	231.2	19.4	4.4	4.3	2.6	--	73.8	104.5	228.4	107.3	335.7
Other hardwoods	0.2	--	0.1	0.3	*	--	*	*	--	0.1	0.2	0.2	0.2	0.4
Total	9,496.1	531.5	2,426.7	12,454.3	448.6	35.1	91.2	148.5	76.1	5,265.7	6,065.3	10,827.2	7,692.4	18,519.6
All species	9,593.7	636.3	2,434.0	12,664.1	448.6	35.1	94.1	148.5	76.1	5,380.4	6,182.9	11,032.5	7,814.4	18,847.0

(Table 13 continued on next page)

(Table 13 continued)

SOUTHERN UNIT

Species group	Growing stock				Non-growing stock							Total material used for products	Total material not used	Total material harvested
	Used for products		Logging residue		Used for products					Logging slash				
	Saw-timber	Pole-timber	(not used)	TOTAL	Limb-wood	Sap-lings	Cull trees	Dead trees	Nonforest trees	(not used)	TOTAL			
SOFTWOODS														
Shortleaf pine	47.4	131.9	2.1	181.4	--	--	3.5	--	--	54.6	58.1	182.8	56.7	239.5
Total	47.4	131.9	2.1	181.4	--	--	3.5	--	--	54.6	58.1	182.8	56.7	239.5
HARDWOODS														
Soft maple	746.1	82.3	159.5	987.9	109.5	--	78.7	2.5	--	313.7	504.4	1,019.1	473.3	1,492.3
Hard maple	149.8	28.8	43.7	222.2	15.2	--	6.3	--	--	90.1	111.6	200.1	133.8	333.9
River birch	19.7	9.6	6.7	36.0	3.5	--	1.8	0.2	--	12.2	17.6	34.7	18.9	53.7
Hickory	637.1	127.2	308.1	1,072.4	55.7	--	54.9	4.7	--	279.4	394.8	879.7	587.5	1,467.3
Pecan	4.3	19.2	2.6	26.0	5.5	--	3.6	--	--	0.5	9.6	32.5	3.1	35.6
Hackberry	282.3	63.6	28.8	374.8	83.6	--	73.9	2.8	--	25.1	185.3	506.2	53.9	560.1
Persimmon	*	--	*	*	*	--	*	*	--	*	*	*	*	0.1
Beech	69.7	--	21.7	91.4	2.9	--	*	0.7	--	47.4	51.0	73.3	69.1	142.4
Ash	392.9	47.9	125.2	566.0	29.3	--	9.2	3.9	--	260.5	302.9	483.2	385.7	868.9
Black walnut	45.0	--	4.2	49.2	0.8	--	1.2	--	6.5	6.7	15.3	53.5	10.9	64.4
Sweetgum	110.9	--	33.6	144.6	4.3	--	0.1	1.1	--	72.1	77.5	116.4	105.7	222.1
Yellow-poplar	840.2	57.5	260.1	1,157.8	49.1	--	11.2	8.2	--	544.5	612.9	966.2	804.5	1,770.8
Tupelo	70.6	--	22.0	92.5	2.9	--	*	0.7	--	48.0	51.6	74.2	69.9	144.1
Sycamore	137.3	47.9	45.5	230.7	18.8	--	9.0	1.3	--	86.0	115.1	214.3	131.5	345.8
Cottonwood	1,079.4	111.8	148.3	1,339.6	106.0	--	87.1	2.6	--	472.8	668.5	1,386.9	621.1	2,008.0
Black cherry	68.7	9.6	22.0	100.3	5.5	--	1.8	0.7	--	45.5	53.5	86.3	67.5	153.9
Red oak group	4,343.8	347.2	1,311.0	6,001.9	285.1	--	97.3	115.7	--	2,532.9	3,031.0	5,189.1	3,843.9	9,033.0
White oak group	1,658.6	97.6	484.0	2,240.2	94.0	--	51.0	38.3	--	839.9	1,023.2	1,939.4	1,323.9	3,263.3
Black locust	0.7	--	0.2	0.9	0.0	--	*	*	--	0.4	0.5	0.7	0.7	1.3
Willow	4.3	--	1.3	5.7	0.2	--	*	*	--	2.9	3.2	4.5	4.3	8.8
Sassafras	4.6	--	1.4	6.1	0.2	--	*	*	--	3.1	3.4	4.9	4.6	9.5
Basswood	23.6	--	7.3	30.9	1.0	--	*	0.2	--	16.0	17.3	24.8	23.4	48.2
Elm	291.5	24.6	32.2	348.3	70.6	--	63.6	3.0	--	43.8	181.0	453.3	76.0	529.3
Total	10,981.1	1,074.8	3,069.5	15,125.4	943.7	--	550.9	186.6	6.5	5,743.7	7,431.4	13,743.5	8,813.3	22,556.7
All species	11,028.5	1,206.7	3,071.6	15,306.8	943.7	--	554.4	186.6	6.5	5,798.3	7,489.5	13,926.3	8,869.9	22,796.2

** = Less than 50 cubic feet.*

1/ Based on factors obtained from the Illinois Utilization Study of 1984 and other regional utilization studies.

Rows and columns may not sum due to rounding.

Table 14.--Growing-stock removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Illinois, 1996

(In thousand cubic feet)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
CLAYPAN UNIT																	
Bond	--	--	--	--	--	--	59	15	--	17	--	8	--	--	23	--	6
Calhoun	--	--	--	--	--	--	42	59	1	18	3	--	--	--	57	--	58
Clark	--	--	--	--	--	--	9	8	--	23	--	--	--	--	9	--	6
Clay	--	--	--	--	--	--	106	67	20	63	--	22	--	--	112	--	12
Clinton	--	--	--	--	--	--	56	86	--	126	--	14	--	--	178	--	1
Crawford	--	--	--	--	--	--	36	--	--	--	--	--	--	--	57	--	--
Cumberland	--	--	--	--	--	--	8	28	8	12	--	8	--	--	48	--	23
Edwards	--	--	--	--	--	--	5	--	--	5	--	*	--	*	--	--	*
Effingham	--	--	--	--	--	--	89	112	31	94	--	38	--	--	115	--	17
Fayette	--	--	--	--	--	--	153	93	17	76	--	49	--	--	101	--	24
Greene	--	--	--	--	--	--	38	6	1	9	1	*	--	--	22	--	22
Jasper	--	--	--	--	--	--	72	19	17	27	--	17	--	--	90	--	6
Jefferson	--	--	--	--	--	--	42	9	9	34	--	12	--	--	29	--	6
Jersey	--	--	--	--	--	--	42	25	1	11	--	--	--	--	37	--	20
Lawrence	--	--	--	--	--	--	50	2	1	6	--	1	--	--	59	--	--
Macoupin	--	--	--	--	--	--	2	1	--	51	--	*	--	--	28	--	25
Madison	--	--	--	--	--	--	2	2	--	5	--	8	--	--	12	--	7
Marion	--	--	--	--	--	--	70	105	21	110	--	29	--	--	154	--	13
Monroe	--	--	--	--	--	--	10	15	--	12	--	2	--	--	17	--	21
Montgomery	--	--	--	--	--	--	17	18	--	17	--	13	--	--	7	--	9
Richland	--	--	--	--	--	--	58	9	10	53	--	9	--	--	43	--	12
Shelby	--	--	--	--	--	--	23	25	8	27	--	20	--	--	62	--	8
St. Clair	--	--	--	--	--	--	11	27	--	34	--	1	--	--	47	--	2
Wabash	--	--	--	--	--	--	6	--	--	--	--	*	--	--	--	--	*
Washington	--	--	--	--	--	--	33	41	--	64	--	3	--	--	35	--	--
Wayne	--	--	--	--	--	--	166	31	20	99	--	11	--	4	94	--	11
Total	--	--	--	--	--	--	1,204	801	165	993	4	266	--	4	1,436	--	310
PRAIRIE UNIT																	
Adams	--	--	--	--	*	*	67	24	1	35	--	5	--	--	25	--	19
Boone	--	--	--	--	--	--	1	*	--	--	--	--	--	--	2	--	*
Brown	--	--	--	--	*	*	128	28	1	35	--	5	--	--	40	--	23
Bureau	--	--	--	--	--	--	11	--	*	--	--	--	--	--	--	--	--
Carroll	--	--	--	--	--	--	*	2	*	1	--	--	--	--	5	--	3
Cass	2	--	--	--	*	2	165	*	--	1	--	--	--	--	23	--	6
Champaign	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	2
Christian	*	--	--	--	--	*	1	*	--	*	--	1	--	--	*	--	0
Coles	--	--	--	--	--	--	11	13	--	21	--	2	--	--	43	--	1
Cook	--	--	--	--	13	13	36	7	--	14	--	14	--	--	14	--	10
PRAIRIE UNIT Continued																	

(Table 14 contined on next page)

(Table 14 continued)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
PRAIRIE UNIT Continued																	
De Kalb	--	--	--	--	--	--	1	1	*	--	--	--	--	--	1	--	*
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fulton	*	--	--	--	*	*	152	68	--	10	--	--	--	--	40	--	71
Grundy	--	--	--	--	--	--	--	--	*	--	--	--	--	--	1	--	--
Hancock	--	--	--	--	*	*	45	*	1	29	--	8	--	--	12	--	8
Henderson	--	--	--	--	*	*	31	4	1	17	--	3	--	--	8	--	10
Henry	--	--	--	--	--	--	77	23	1	3	--	8	--	--	12	--	134
Jo Daviess	--	--	--	--	--	--	*	2	*	1	--	--	--	--	6	--	16
Kane	--	--	--	--	13	13	37	8	--	14	--	14	--	--	15	--	10
Knox	--	--	--	--	--	--	6	2	--	--	--	--	--	--	3	--	15
La Salle	--	--	--	--	--	--	*	1	*	*	--	--	--	--	0	--	1
Lake	--	--	--	--	13	13	37	7	--	15	--	15	--	--	15	--	10
Lee	--	2	--	8	--	10	--	--	--	*	--	--	--	--	--	--	--
Logan	*	--	--	--	*	*	6	1	--	3	--	--	--	--	*	*	2
Marshall	--	--	--	--	--	--	4	6	--	*	--	--	--	--	3	--	*
Mason	2	--	--	--	--	2	152	1	--	3	--	--	--	--	20	*	5
McDonough	--	--	--	--	--	--	59	57	--	4	--	--	--	--	8	--	55
McHenry	--	--	--	--	13	13	36	7	--	14	--	14	--	--	16	--	10
Menard	*	--	--	--	*	*	1	1	--	--	--	*	--	--	1	*	1
Mercer	--	--	--	--	--	--	26	2	1	3	--	3	--	--	6	--	15
Morgan	--	--	--	--	--	--	41	2	--	2	--	--	--	--	7	--	4
Ogle	--	--	--	134	--	134	--	--	*	*	--	--	--	--	--	--	4
Peoria	--	--	--	--	--	--	6	4	--	3	--	--	--	--	3	--	14
Pike	--	--	--	--	--	--	113	37	1	77	--	5	--	--	39	--	29
Putnam	--	--	--	--	--	--	4	2	--	--	--	--	--	--	2	--	*
Rock Island	--	--	--	--	--	--	52	20	*	63	--	--	--	--	12	--	16
Sangamon	*	--	--	--	*	*	1	2	*	*	--	1	--	--	2	--	3
Schuyler	2	--	--	--	*	2	156	64	--	28	--	5	--	--	35	--	67
Scott	--	--	--	--	--	--	4	20	--	4	--	--	--	--	4	--	3
Stark	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*
Stephenson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--
Tazewell	--	--	--	--	--	--	6	3	--	3	--	--	--	--	--	--	2
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6
Whiteside	--	--	--	--	--	--	--	2	*	1	--	--	--	--	1	--	--
Will	--	--	--	--	4	4	--	--	--	--	--	--	--	--	--	--	--
Winnebago	--	--	--	--	--	--	5	1	--	--	--	--	--	--	4	--	1
Woodford	--	--	--	--	--	--	3	2	--	*	--	--	--	--	1	--	*
Total	8	2	--	142	58	210	1,482	426	7	403	--	103	--	--	434	*	576

(Table 14 continued on next page)

(Table 14 continued)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
SOUTHERN UNIT																	
Alexander	--	--	3	--	--	3	157	17	--	22	--	162	--	15	53	--	5
Franklin	--	--	--	--	--	--	156	1	8	140	--	11	--	--	37	--	*
Gallatin	--	--	--	--	--	--	57	27	7	57	13	33	--	--	36	--	*
Hamilton	--	--	--	--	--	--	57	5	1	85	3	7	--	--	15	--	--
Hardin	--	--	--	--	--	--	21	12	1	39	3	19	--	4	9	--	*
Jackson	--	--	--	--	--	--	109	32	11	121	--	14	*	--	77	--	9
Johnson	--	--	155	--	--	155	42	26	2	164	--	45	*	14	75	--	12
Massac	--	--	--	--	--	--	9	16	--	15	--	2	--	15	23	--	1
Perry	--	--	--	--	--	--	8	--	--	14	--	3	--	--	10	--	--
Pope	--	--	16	--	--	16	21	12	1	90	3	19	--	7	17	--	4
Pulaski	--	--	8	--	--	8	22	16	--	123	--	23	--	9	23	--	3
Randolph	--	--	--	--	--	--	11	7	2	4	--	2	*	--	11	--	2
Saline	--	--	--	--	--	--	84	7	1	47	3	7	--	3	13	--	--
Union	--	--	--	--	--	--	22	28	--	92	--	23	--	15	77	--	8
White	--	--	--	--	--	--	212	14	1	56	3	7	--	3	22	--	--
Williamson	--	--	--	--	--	--	--	1	--	2	--	--	--	5	67	--	3
Total	--	--	181	--	--	181	988	222	36	1,072	26	375	*	91	566	--	49
State total	8	2	181	142	58	391	3,674	1,449	209	2,469	30	744	*	96	2,436	*	935

(Table 14 continued on next page)

(Table 14 continued)

Unit and county	Sweet-gum	Yellow poplar	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
CLAYPAN UNIT																		
Bond	--	--	--	--	33	56	--	--	50	35	--	--	--	6	3	--	311	311
Calhoun	--	*	--	--	29	42	--	17	499	241	--	--	--	6	8	--	1,081	1,081
Clark	--	28	--	--	--	--	--	--	29	31	--	--	--	5	--	30	178	178
Clay	--	--	--	--	45	32	--	9	529	415	--	--	--	--	3	--	1,438	1,438
Clinton	--	11	--	--	18	23	--	--	516	421	--	--	--	6	6	--	1,460	1,460
Crawford	4	--	--	--	25	22	--	--	14	--	--	--	--	--	--	--	158	158
Cumberland	--	--	--	--	--	--	--	12	127	196	--	--	--	--	--	--	468	468
Edwards	1	2	--	--	3	6	--	--	25	4	--	--	--	--	1	--	52	52
Effingham	--	--	--	--	29	37	--	17	440	358	--	--	--	6	3	--	1,388	1,388
Fayette	--	2	--	--	43	51	--	10	590	470	*	--	1	--	6	--	1,685	1,685
Greene	--	1	--	--	3	28	--	4	128	68	--	--	--	6	6	--	343	343
Jasper	2	--	--	--	29	20	--	9	215	194	--	--	--	--	--	--	717	717
Jefferson	32	--	--	--	18	21	--	9	508	126	--	--	--	*	--	--	855	855
Jersey	--	4	--	--	5	19	--	7	144	139	--	--	--	19	10	--	481	481
Lawrence	5	7	--	--	37	71	--	--	81	9	--	--	--	--	--	8	338	338
Macoupin	--	1	--	--	1	105	--	28	918	1,707	--	--	--	2	29	--	2,899	2,899
Madison	--	--	--	--	2	12	--	6	52	50	*	--	3	5	4	--	170	170
Marion	--	12	--	--	49	25	--	10	636	696	*	--	1	2	5	--	1,938	1,938
Monroe	--	7	--	--	7	36	--	4	125	86	*	--	*	--	--	--	341	341
Montgomery	--	--	--	--	1	112	--	--	165	118	--	--	--	--	3	--	480	480
Richland	3	1	--	--	31	19	--	9	144	43	--	--	--	--	3	--	448	448
Shelby	--	4	--	--	--	--	--	--	298	285	--	--	--	2	--	--	761	761
St. Clair	--	6	--	--	7	34	--	2	158	102	*	--	*	--	*	--	432	432
Wabash	--	--	--	--	6	12	--	1	20	1	--	--	--	--	--	--	45	45
Washington	--	--	--	--	24	8	--	--	276	97	*	--	1	--	13	--	594	594
Wayne	24	71	--	3	42	78	--	10	797	284	*	--	1	3	3	--	1,753	1,753
Total	70	156	--	3	485	870	--	164	7,486	6,176	1	--	7	68	106	38	20,813	20,813
PRAIRIE UNIT																		
Adams	--	*	--	--	62	77	--	7	252	256	--	--	--	3	15	--	846	846
Boone	--	--	--	--	--	*	--	3	15	22	--	--	--	2	1	--	47	47
Brown	--	*	--	--	52	154	--	7	265	254	--	--	--	4	9	--	1,004	1,004
Bureau	--	--	--	--	--	2	*	1	--	9	--	--	--	--	--	--	23	23
Carroll	--	--	--	--	1	3	*	5	36	34	--	--	--	2	3	--	95	95
Cass	--	--	*	--	1	192	--	*	55	68	--	--	--	*	2	--	513	515
Champaign	--	--	--	--	--	--	--	--	10	5	--	--	--	--	--	--	20	20
Christian	--	--	*	--	--	1	--	*	3	3	--	--	--	1	*	*	12	12
Coles	--	--	--	--	4	3	--	1	91	89	--	--	--	--	--	--	279	279
Cook	--	--	--	--	--	12	--	14	7	7	--	14	--	14	15	--	178	191

PRAIRIE UNIT Continued

(Table 14 continued on next page)

(Table 14 continued)

Unit and county	Sweet-gum	Yellow poplar	Osage-orange	Tupelo	Sycamore	Cottonwood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods	All species
PRAIRIE UNIT Continued																		
De Kalb	--	--	--	--	--	1	*	--	1	11	--	--	--	1	1	--	18	18
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*	--	*	*
Fulton	--	--	--	--	1	139	--	1	350	381	--	--	--	12	*	--	1,226	1,226
Grundy	--	--	--	--	--	2	*	--	--	7	--	--	--	--	1	--	11	11
Hancock	--	--	--	--	61	106	--	6	121	133	--	--	--	3	16	--	549	549
Henderson	--	--	--	--	5	43	--	1	57	74	--	--	--	3	8	--	264	264
Henry	--	--	--	--	1	33	--	96	82	47	--	--	--	7	1	--	525	525
Jo Daviess	--	--	--	--	1	4	*	7	56	100	--	--	--	3	3	--	200	200
Kane	--	--	--	--	--	13	--	14	9	16	--	14	--	14	14	--	193	206
Knox	--	--	--	--	--	12	--	*	3	22	--	--	--	--	--	--	64	64
La Salle	--	--	--	--	1	2	*	2	3	6	--	--	--	--	*	--	16	16
Lake	--	--	--	--	--	13	--	15	10	10	--	14	--	15	16	--	190	203
Lee	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*	10
Logan	--	--	--	--	--	15	--	*	17	23	*	--	--	*	--	--	67	67
Marshall	--	--	--	--	*	--	--	--	15	10	--	--	--	--	*	--	39	39
Mason	--	--	*	--	--	162	--	--	48	61	*	--	--	--	2	--	455	457
McDonough	--	--	--	--	13	22	--	*	251	251	--	--	--	2	4	--	727	727
McHenry	--	--	--	--	--	12	--	17	20	20	--	14	--	16	16	--	212	225
Menard	--	--	--	--	*	1	--	*	1	1	*	--	--	1	--	--	8	8
Mercer	--	--	--	--	1	30	--	2	21	38	--	--	--	1	1	--	151	151
Morgan	--	--	--	--	2	76	--	--	24	28	--	--	--	--	--	--	186	186
Ogle	--	--	--	--	--	--	*	1	3	24	--	--	--	4	1	--	37	172
Peoria	--	--	--	--	--	15	--	1	29	48	--	--	--	--	--	--	123	123
Pike	--	1	--	--	63	212	--	7	485	420	--	--	--	4	15	--	1,509	1,509
Putnam	--	--	--	--	--	--	--	*	9	*	--	--	--	--	--	--	17	17
Rock Island	--	--	--	--	2	160	10	23	252	65	--	--	--	1	74	--	750	750
Sangamon	--	--	--	--	*	1	*	1	14	7	--	*	--	1	*	--	35	35
Schuyler	--	*	*	--	62	161	--	6	397	427	--	--	--	6	9	--	1,424	1,427
Scott	--	--	--	--	1	7	--	--	81	81	--	--	--	--	--	--	206	206
Stark	--	--	--	--	--	--	--	*	*	*	--	--	--	--	--	--	*	*
Stephenson	--	--	--	--	--	--	--	3	13	13	--	--	--	2	--	--	34	34
Tazewell	--	--	--	--	--	15	--	*	17	23	--	--	--	--	--	--	68	68
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	6
Whiteside	--	--	--	--	*	*	*	1	20	19	--	--	--	1	2	--	47	47
Will	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4
Winnebago	--	--	--	--	--	*	--	3	19	33	--	--	--	6	1	--	73	73
Woodford	--	--	--	--	--	--	--	*	*	*	--	--	--	--	--	--	7	7
Total	--	2	*	--	333	1,701	12	247	3,165	3,148	*	57	--	127	231	*	12,454	12,664

(Table 14 continued on next page)

(Table 14 continued)

Unit and county	Sweet-gum	Yellow poplar	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
SOUTHERN UNIT																		
Alexander	6	137	--	13	39	766	--	14	309	220	--	--	--	1	159	--	2,096	2,099
Franklin	32	3	--	--	11	45	--	--	898	62	--	6	--	--	33	--	1,444	1,444
Gallatin	6	45	--	1	38	72	--	7	342	103	--	--	--	1	7	--	850	850
Hamilton	3	13	--	1	10	63	--	1	692	40	--	--	--	1	1	--	997	997
Hardin	5	55	--	3	10	25	--	8	85	72	--	--	--	--	15	--	387	387
Jackson	4	56	--	--	6	12	--	3	734	210	1	--	5	--	8	--	1,412	1,412
Johnson	12	172	--	19	3	45	--	16	486	304	*	--	1	10	47	--	1,495	1,650
Massac	2	75	--	8	9	9	--	7	240	85	--	--	--	1	5	--	522	522
Perry	--	--	--	--	2	--	--	--	181	11	--	--	--	--	3	--	232	232
Pope	5	87	--	8	20	26	--	12	375	204	--	--	--	5	15	--	930	946
Pulaski	1	67	--	5	1	25	--	3	318	136	--	--	--	1	24	--	802	810
Randolph	--	16	--	--	2	53	--	3	76	94	*	--	1	--	--	--	283	283
Saline	21	34	--	6	24	46	--	1	423	110	--	--	--	3	1	--	834	834
Union	10	216	--	11	3	24	--	19	444	294	--	--	--	--	27	--	1,314	1,314
White	35	141	--	15	51	129	--	1	379	254	--	--	--	8	3	--	1,334	1,334
Williamson	3	42	--	3	1	--	--	5	20	41	--	--	--	--	1	--	193	193
Total	145	1,158	--	93	231	1,340	--	100	6,002	2,240	1	6	6	31	348	--	15,125	15,307
State total	214	1,316	*	96	1,049	3,910	12	511	16,653	11,564	2	62	13	225	685	39	48,392	48,784

** = Less than 500 cubic feet.*

Rows and columns may not sum due to rounding.

Table 15.--Sawtimber removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Illinois, 1996

(In thousand board feet) 1/

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
CLAYPAN UNIT																	
Bond	--	--	--	--	--	--	303	76	--	90	--	45	--	--	122	--	38
Calhoun	--	--	--	--	--	--	215	301	6	82	18	--	--	--	289	--	350
Clark	--	--	--	--	--	--	8	7	--	21	--	--	--	--	8	--	39
Clay	--	--	--	--	--	--	546	344	108	336	--	119	--	--	594	--	76
Clinton	--	--	--	--	--	--	286	440	--	669	--	72	--	--	945	--	5
Crawford	--	--	--	--	--	--	188	--	--	--	--	--	--	--	300	--	--
Cumberland	--	--	--	--	--	--	41	142	42	62	--	42	--	--	255	--	143
Edwards	--	--	--	--	--	--	25	--	--	26	--	0	--	3	--	--	*
Effingham	--	--	--	--	--	--	458	573	164	501	--	204	--	--	612	--	108
Fayette	--	--	--	--	--	--	786	477	89	402	--	260	--	--	537	--	149
Greene	--	--	--	--	--	--	195	30	6	31	3	2	--	--	102	--	116
Jasper	--	--	--	--	--	--	368	99	89	146	--	89	--	--	478	--	38
Jefferson	--	--	--	--	--	--	213	45	47	182	--	62	--	--	155	--	40
Jersey	--	--	--	--	--	--	214	126	6	59	--	--	--	--	195	--	127
Lawrence	--	--	--	--	--	--	248	2	8	6	--	6	--	--	302	--	--
Macoupin	--	--	--	--	--	--	12	7	--	180	--	2	--	--	59	--	51
Madison	--	--	--	--	--	--	12	9	--	29	--	42	--	--	63	--	42
Marion	--	--	--	--	--	--	360	536	111	584	--	154	--	--	817	--	80
Monroe	--	--	--	--	--	--	49	74	--	63	--	11	--	--	92	--	129
Montgomery	--	--	--	--	--	--	85	93	--	90	--	71	--	--	39	--	57
Richland	--	--	--	--	--	--	298	45	54	284	--	48	--	--	230	--	78
Shelby	--	--	--	--	--	--	120	127	42	141	--	104	--	--	330	--	53
St. Clair	--	--	--	--	--	--	55	141	--	180	--	8	--	--	247	--	11
Wabash	--	--	--	--	--	--	29	--	--	--	--	*	--	--	--	--	3
Washington	--	--	--	--	--	--	168	212	--	338	--	17	--	--	189	--	--
Wayne	--	--	--	--	--	--	851	157	108	525	--	58	--	20	500	--	71
Total	--	--	--	--	--	--	6,131	4,065	878	5,024	22	1,413	--	23	7,459	--	1,804
PRAIRIE UNIT																	
Adams	--	--	--	--	1	1	335	122	6	185	--	27	--	--	130	--	122
Boone	--	--	--	--	--	--	7	1	--	--	--	--	--	--	13	--	1
Brown	--	--	--	--	1	1	654	146	6	186	--	29	--	--	214	--	141
Bureau	--	--	--	--	--	--	56	--	*	--	--	--	--	--	--	--	--
Carroll	--	--	--	--	--	--	1	10	1	5	--	--	--	--	24	--	18
Cass	11	--	--	--	*	11	843	*	--	5	--	--	--	--	123	--	37
Champaign	--	--	--	--	--	--	--	6	--	--	--	--	--	--	8	--	11
Christian	1	--	--	--	--	1	7	1	--	2	--	5	--	--	2	--	1

PRAIRIE UNIT Continued *(Table 15 continued on next page)*

(Table 15 continued)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
PRAIRIE UNIT Continued																	
Coles	--	--	--	--	--	--	58	66	--	111	--	12	--	--	228	--	5
Cook	--	--	--	--	71	71	182	36	--	75	--	75	--	--	75	--	61
De Kalb	--	--	--	--	--	--	7	3	*	--	--	--	--	--	3	--	2
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fulton	*	--	--	--	*	*	777	359	--	51	--	--	--	--	217	--	452
Grundy	--	--	--	--	--	--	--	--	*	--	--	--	--	--	3	--	--
Hancock	--	--	--	--	1	1	228	1	5	156	--	41	--	--	61	--	54
Henderson	--	--	--	--	1	1	139	15	5	53	--	14	--	--	35	--	68
Henry	--	--	--	--	--	--	394	117	5	14	--	44	--	--	66	--	838
Jo Daviess	--	--	--	--	--	--	1	9	1	5	--	--	--	--	34	--	108
Kane	--	--	--	--	71	71	190	40	--	75	--	75	--	--	78	--	63
Knox	--	--	--	--	--	--	29	12	--	--	--	--	--	--	24	--	97
La Salle	--	--	--	--	--	--	*	8	*	*	--	--	--	--	1	--	7
Lake	--	--	--	--	71	71	188	36	--	78	--	78	--	--	78	--	63
Lee	--	3	--	11	--	13	--	--	--	2	--	--	--	--	--	--	--
Logan	*	--	--	--	*	1	30	7	--	15	--	--	--	--	*	*	14
Marshall	--	--	--	--	--	--	22	36	--	*	--	--	--	--	15	--	3
Mason	11	--	--	--	--	11	779	6	--	15	--	--	--	--	107	*	33
McDonough	--	--	--	--	--	--	305	292	--	21	--	--	--	--	45	--	343
McHenry	--	--	--	--	71	71	182	36	--	75	--	75	--	--	87	--	61
Menard	*	--	--	--	*	1	4	4	--	--	--	2	--	--	3	*	7
Mercer	--	--	--	--	--	--	134	14	6	15	--	15	--	--	36	--	98
Morgan	--	--	--	--	--	--	211	14	--	9	--	--	--	--	38	--	23
Ogle	--	--	--	183	--	183	--	--	*	2	--	--	--	--	--	--	30
Peoria	--	--	--	--	--	--	31	26	--	15	--	--	--	--	24	--	93
Pike	--	--	--	--	--	--	488	158	6	234	--	29	--	--	191	--	189
Putnam	--	--	--	--	--	--	21	14	--	--	--	--	--	--	9	--	0
Rock Island	--	--	--	--	--	--	47	39	*	104	--	--	--	--	39	--	105
Sangamon	1	--	--	--	*	1	7	10	*	1	--	5	--	--	11	--	19
Schuyler	11	--	--	--	1	11	802	334	--	150	--	27	--	--	187	--	425
Scott	--	--	--	--	--	--	21	105	--	22	--	--	--	--	22	--	17
Stark	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*
Stephenson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--
Tazewell	--	--	--	--	--	--	29	14	--	15	--	--	--	--	--	--	12
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	36
Whiteside	--	--	--	--	--	--	--	9	*	3	--	--	--	--	6	--	--
Will	--	--	--	--	21	21	--	--	--	--	--	--	--	--	--	--	--
Winnebago	--	--	--	--	--	--	24	4	--	--	--	--	--	--	19	--	7
Woodford	--	--	--	--	--	--	16	13	--	2	--	--	--	--	7	--	*
Total	35	3	--	194	309	540	7,251	2,122	40	1,698	--	549	--	--	2,272	*	3,667

(Table 15 continued on next page)

(Table 15 continued)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
SOUTHERN UNIT																	
Alexander	--	--	4	--	--	4	663	87	--	91	--	685	--	80	283	--	31
Franklin	--	--	--	--	--	--	800	7	45	743	--	60	--	--	195	--	2
Gallatin	--	--	--	--	--	--	107	58	7	83	14	34	--	--	51	--	1
Hamilton	--	--	--	--	--	--	253	8	1	407	3	7	--	--	53	--	--
Hardin	--	--	--	--	--	--	60	46	1	164	3	59	--	24	22	--	2
Jackson	--	--	--	--	--	--	562	166	60	639	--	71	*	--	408	--	57
Johnson	--	--	211	--	--	211	178	136	9	688	--	193	*	76	397	--	74
Massac	--	--	--	--	--	--	44	81	--	80	--	7	--	78	122	--	9
Perry	--	--	--	--	--	--	42	--	--	75	--	15	--	--	53	--	--
Pope	--	--	21	--	--	21	61	43	1	324	3	60	--	37	62	--	28
Pulaski	--	--	11	--	--	11	95	81	--	485	--	98	--	50	123	--	21
Randolph	--	--	--	--	--	--	54	38	9	18	--	11	*	--	60	--	15
Saline	--	--	--	--	--	--	392	20	1	207	3	7	--	18	40	--	--
Union	--	--	--	--	--	--	95	143	--	366	--	98	--	82	412	--	52
White	--	--	--	--	--	--	1,050	58	1	254	3	7	--	16	89	--	--
Williamson	--	--	--	--	--	--	--	7	--	9	--	--	--	25	359	--	19
Total	--	--	247	--	--	247	4,455	980	136	4,633	27	1,411	*	485	2,730	--	312
State total	35	3	247	194	309	787	17,837	7,167	1,054	11,354	49	3,373	*	508	12,462	*	5,783

(Table 15 continued on next page)

(Table 15 continued)

Unit and county	Sweet-gum	Yellow poplar	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
CLAYPAN UNIT																	
Bond	--	--	--	173	333	--	--	264	185	--	--	--	30	17	--	1,674	1,674
Calhoun	--	2	--	157	181	--	92	2,580	1,225	--	--	--	32	45	--	5,575	5,575
Clark	--	31	--	--	--	--	--	25	28	--	--	--	26	--	26	217	217
Clay	--	--	--	242	189	--	47	2,782	2,183	--	--	--	--	18	--	7,583	7,583
Clinton	--	58	--	93	137	--	--	2,711	2,212	--	--	--	32	33	--	7,692	7,692
Crawford	22	--	--	138	129	--	--	74	--	--	--	--	--	--	--	851	851
Cumberland	--	--	--	--	--	--	61	667	1,027	--	--	--	--	--	--	2,482	2,482
Edwards	3	10	--	18	36	--	--	132	19	--	--	--	--	3	--	275	275
Effingham	--	--	--	155	220	--	91	2,311	1,882	--	--	--	34	18	--	7,331	7,331
Fayette	--	8	--	227	305	--	53	3,102	2,469	1	--	6	--	30	--	8,901	8,901
Greene	--	3	--	16	64	--	24	602	278	--	--	--	32	30	--	1,534	1,534
Jasper	12	--	--	156	121	--	47	1,131	1,021	--	--	--	--	--	--	3,794	3,794
Jefferson	168	--	--	98	127	--	50	2,671	660	--	--	--	2	--	--	4,516	4,516
Jersey	--	20	--	26	112	--	36	756	758	--	--	--	101	53	--	2,588	2,588
Lawrence	26	6	--	201	421	--	--	391	8	--	--	--	--	--	7	1,631	1,631
Macoupin	--	8	--	5	109	--	150	4,478	8,484	--	--	--	9	152	--	13,705	13,705
Madison	--	--	--	9	73	--	30	273	265	2	--	14	26	20	--	909	909
Marion	--	63	--	261	148	--	56	3,342	3,655	1	--	4	13	26	--	10,211	10,211
Monroe	--	36	--	36	211	--	21	658	454	*	--	2	--	--	--	1,835	1,835
Montgomery	--	--	--	6	665	--	--	870	626	--	--	--	--	17	--	2,618	2,618
Richland	15	6	--	164	116	--	48	756	227	--	--	--	--	15	--	2,385	2,385
Shelby	--	20	--	--	--	--	--	1,569	1,530	--	--	--	9	--	--	4,044	4,044
St. Clair	--	32	--	36	203	--	11	832	537	*	--	2	--	2	--	2,295	2,295
Wabash	--	--	--	30	72	--	5	102	3	--	--	--	--	--	--	244	244
Washington	--	--	--	130	46	--	--	1,453	507	1	--	4	--	68	--	3,130	3,130
Wayne	129	376	17	224	461	--	54	4,190	1,495	1	--	4	17	18	--	9,277	9,277
Total	374	677	17	2,599	4,480	--	873	38,724	31,738	5	--	37	360	562	34	107,299	107,299
PRAIRIE UNIT																	
Adams	--	2	--	328	429	--	37	1,331	1,398	--	--	--	17	75	--	4,542	4,542
Boone	--	--	--	--	3	--	14	77	114	--	--	--	9	8	--	248	248
Brown	--	2	--	278	912	--	37	1,391	1,337	--	--	--	19	47	--	5,397	5,398
Bureau	--	--	--	--	10	1	9	--	46	--	--	--	--	--	--	123	123
Carroll	--	--	--	3	19	3	28	192	180	--	--	--	9	15	--	508	508
Cass	--	--	--	6	1,138	--	*	287	357	--	--	--	2	12	--	2,810	2,821
Champaign	--	--	--	--	--	--	--	53	27	--	--	--	--	--	--	104	104
Christian	--	--	--	--	7	--	2	16	16	--	--	--	3	2	2	65	66

PRAIRIE UNIT Continued

(Table 15 continued on next page)

(Table 15 continued)

Unit and county	Sweet-gum	Yellow poplar	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
PRAIRIE UNIT Continued																	
Coles	--	--	--	20	17	--	6	480	467	--	--	--	--	--	--	1,470	1,470
Cook	--	--	--	--	72	--	75	37	37	--	75	--	75	79	--	955	1,025
De Kalb	--	--	--	--	6	*	--	7	59	--	--	--	4	3	--	95	95
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	2	2
Fulton	--	--	--	5	825	--	6	1,852	2,081	--	--	--	64	2	--	6,692	6,692
Grundy	--	--	--	--	14	*	--	--	37	--	--	--	--	3	--	58	58
Hancock	--	--	--	323	596	--	29	643	724	--	--	--	15	76	--	2,950	2,951
Henderson	--	--	--	26	185	--	8	300	416	--	--	--	15	13	--	1,291	1,291
Henry	--	--	--	5	197	--	512	433	248	--	--	--	35	5	--	2,909	2,909
Jo Daviess	--	--	--	3	21	2	40	309	618	--	--	--	18	17	--	1,187	1,187
Kane	--	--	--	--	75	--	75	47	84	--	75	--	75	77	--	1,028	1,098
Knox	--	--	--	--	74	--	3	18	146	--	--	--	--	--	--	403	403
La Salle	--	--	--	3	10	1	10	15	33	--	--	--	--	2	--	90	90
Lake	--	--	--	--	75	--	78	52	52	--	75	--	78	87	--	1,018	1,089
Lee	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	15
Logan	--	--	--	--	86	--	1	90	119	*	--	--	1	--	--	362	362
Marshall	--	--	--	*	--	--	--	80	54	--	--	--	--	2	--	212	212
Mason	--	--	--	--	963	--	--	251	320	*	--	--	--	12	--	2,486	2,496
McDonough	--	--	--	70	132	--	2	1,320	1,317	--	--	--	11	23	--	3,879	3,879
McHenry	--	--	--	--	72	--	89	107	107	--	75	--	84	83	--	1,133	1,204
Menard	--	--	--	2	4	--	2	5	4	*	--	--	6	--	--	43	43
Mercer	--	--	--	6	180	--	12	113	229	--	--	--	6	6	--	869	869
Morgan	--	--	--	10	454	--	--	124	149	--	--	--	--	--	--	1,032	1,032
Ogle	--	--	--	--	--	*	4	22	147	--	--	--	22	4	--	231	414
Peoria	--	--	--	--	86	--	6	152	282	--	--	--	--	--	--	715	715
Pike	--	6	--	327	708	--	39	2,509	2,234	--	--	--	20	61	--	7,199	7,199
Putnam	--	--	--	--	--	--	*	45	*	--	--	--	--	--	--	90	90
Rock Island	--	--	--	4	143	55	124	1,167	344	--	--	--	5	76	--	2,253	2,253
Sangamon	--	--	--	2	7	*	5	72	39	--	*	--	6	1	--	186	187
Schuyler	--	2	--	330	956	--	33	2,092	2,294	--	--	--	30	50	--	7,710	7,721
Scott	--	--	--	3	43	--	--	427	427	--	--	--	--	--	--	1,087	1,087
Stark	--	--	--	--	--	--	*	2	*	--	--	--	--	--	--	2	2
Stephenson	--	--	--	--	--	--	14	70	70	--	--	--	13	--	--	178	178
Tazewell	--	--	--	--	86	--	*	91	119	--	--	--	--	--	--	367	367
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	36	36
Whiteside	--	--	--	2	1	*	6	107	99	--	--	--	3	12	--	248	248
Will	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21
Winnebago	--	--	--	--	3	--	17	102	173	--	--	--	30	3	--	384	384
Woodford	--	--	--	--	--	--	*	2	*	--	--	--	--	--	--	40	40
Total	--	11	--	1,755	8,609	63	1,323	16,489	17,006	*	300	--	672	855	2	64,685	65,225

(Table 15 continued on next page)

(Table 15 continued)

Unit and county	Sweet-gum	Yellow poplar	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
SOUTHERN UNIT																	
Alexander	33	729	69	207	4,263	--	75	1,626	1,160	--	--	--	7	678	--	10,766	10,770
Franklin	176	15	--	60	266	--	--	4,721	325	--	30	--	--	173	--	7,619	7,619
Gallatin	30	74	5	61	112	--	7	813	270	--	--	--	5	7	--	1,736	1,736
Hamilton	18	34	5	25	309	--	1	3,442	154	--	--	--	5	1	--	4,727	4,727
Hardin	24	257	14	28	66	--	39	249	325	--	--	--	--	62	--	1,445	1,445
Jackson	20	299	--	31	70	--	15	3,864	1,114	4	--	25	--	42	--	7,445	7,445
Johnson	68	913	100	17	190	--	88	2,531	1,581	1	--	4	51	206	--	7,498	7,709
Massac	13	397	41	48	50	--	38	1,261	450	--	--	--	7	27	--	2,752	2,752
Perry	--	--	--	12	--	--	--	951	59	--	--	--	--	15	--	1,222	1,222
Pope	24	428	44	79	71	--	56	1,777	1,023	--	--	--	26	63	--	4,210	4,231
Pulaski	6	356	27	7	106	--	15	1,660	706	--	--	--	7	102	--	3,945	3,956
Randolph	--	84	--	11	312	--	17	399	493	1	--	4	--	--	--	1,523	1,523
Saline	110	145	33	100	211	--	1	2,023	525	--	--	--	17	1	--	3,854	3,854
Union	57	1,203	58	14	103	--	99	2,333	1,547	--	--	--	--	118	--	6,780	6,780
White	187	714	82	247	701	--	1	1,794	1,278	--	--	--	42	9	--	6,535	6,535
Williamson	14	224	15	6	--	--	25	105	227	--	--	--	--	3	--	1,039	1,039
Total	778	5,873	491	951	6,831	--	477	29,549	11,237	5	30	32	164	1,507	--	73,095	73,342
State total	1,152	6,561	508	5,306	19,919	63	2,673	84,763	59,980	10	330	69	1,197	2,924	35	245,079	245,866

** = Less than 500 board feet.*

1/ International 1/4-inch rule.

Rows and columns may not sum due to rounding.

and species group, Illinois, 1996

(In thousand cubic feet)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
CLAYPAN UNIT																	
Bond	--	--	--	--	--	--	42	10	--	13	--	6	--	--	17	--	1
Calhoun	--	--	--	--	--	--	30	41	1	12	3	--	--	--	41	--	13
Clark	--	--	--	--	--	--	0	0	--	0	--	--	--	--	*	--	1
Clay	--	--	--	--	--	--	75	47	15	48	--	17	--	--	85	--	3
Clinton	--	--	--	--	--	--	39	60	--	95	--	10	--	--	134	--	*
Crawford	--	--	--	--	--	--	25	--	--	--	--	--	--	--	43	--	--
Cumberland	--	--	--	--	--	--	6	20	6	9	--	6	--	--	36	--	5
Edwards	--	--	--	--	--	--	3	--	--	4	--	*	--	*	--	--	*
Effingham	--	--	--	--	--	--	63	79	23	71	--	29	--	--	87	--	4
Fayette	--	--	--	--	--	--	108	66	13	57	--	37	--	--	76	--	5
Greene	--	--	--	--	--	--	27	4	1	4	*	*	--	--	14	--	4
Jasper	--	--	--	--	--	--	50	14	13	21	--	13	--	--	68	--	1
Jefferson	--	--	--	--	--	--	29	6	7	26	--	9	--	--	22	--	1
Jersey	--	--	--	--	--	--	29	17	1	8	--	--	--	--	28	--	4
Lawrence	--	--	--	--	--	--	33	*	1	*	--	1	--	--	43	--	--
Macoupin	--	--	--	--	--	--	2	1	--	25	--	*	--	--	8	--	3
Madison	--	--	--	--	--	--	2	1	--	4	--	6	--	--	9	--	2
Marion	--	--	--	--	--	--	50	74	16	83	--	22	--	--	116	--	3
Monroe	--	--	--	--	--	--	7	10	--	9	--	2	--	--	13	--	5
Montgomery	--	--	--	--	--	--	12	13	--	13	--	10	--	--	6	--	2
Richland	--	--	--	--	--	--	40	6	8	40	--	7	--	--	32	--	3
Shelby	--	--	--	--	--	--	16	17	6	20	--	15	--	--	47	--	2
St. Clair	--	--	--	--	--	--	8	19	--	26	--	1	--	--	35	--	*
Wabash	--	--	--	--	--	--	4	--	--	--	--	*	--	--	--	--	*
Washington	--	--	--	--	--	--	23	29	--	48	--	2	--	--	27	--	--
Wayne	--	--	--	--	--	--	116	22	15	75	--	8	--	3	71	--	3
Total	--	--	--	--	--	--	838	557	125	710	3	201	--	3	1,059	--	67
PRAIRIE UNIT																	
Adams	--	--	--	--	*	*	42	17	1	26	--	4	--	--	18	--	4
Boone	--	--	--	--	--	--	1	0	--	--	--	--	--	--	2	--	*
Brown	--	--	--	--	*	*	90	19	1	26	--	4	--	--	30	--	5
Bureau	--	--	--	--	--	--	8	--	*	--	--	--	--	--	--	--	--
Carroll	--	--	--	--	--	--	*	1	*	1	--	--	--	--	3	--	1
Cass	1	--	--	--	*	1	116	*	--	1	--	--	--	--	18	--	1
Champaign	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	*
Christian	*	--	--	--	--	*	1	*	--	*	--	1	--	--	*	--	*
Coles	--	--	--	--	--	--	8	9	--	16	--	2	--	--	32	--	*
Cook	--	--	--	--	17	17	25	5	--	11	--	11	--	--	11	--	2

PRAIRIE UNIT Contined

(Table 16 continued on next page)

(Table 16 continued)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
PRAIRIE UNIT Contined																	
De Kalb	--	--	--	--	--	--	1	*	*	--	--	--	--	--	*	--	*
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fulton	*	--	--	--	*	*	107	46	--	7	--	--	--	--	30	--	16
Grundy	--	--	--	--	--	--	--	--	*	--	--	--	--	--	*	--	--
Hancock	--	--	--	--	*	*	30	*	1	22	--	6	--	--	8	--	1
Henderson	--	--	--	--	*	*	19	*	1	7	--	2	--	--	2	--	2
Henry	--	--	--	--	--	--	54	16	1	2	--	6	--	--	9	--	31
Jo Daviess	--	--	--	--	--	--	*	1	*	1	--	--	--	--	5	--	3
Kane	--	--	--	--	17	17	26	5	--	11	--	11	--	--	11	--	2
Knox	--	--	--	--	--	--	4	*	--	--	--	--	--	--	1	--	3
La Salle	--	--	--	--	--	--	*	1	*	*	--	--	--	--	*	--	*
Lake	--	--	--	--	17	17	26	5	--	11	--	11	--	--	11	--	2
Lee	--	1	--	2	--	3	--	--	--	8	--	--	--	--	--	--	--
Logan	*	--	--	--	*	*	4	1	--	2	--	--	--	--	*	*	1
Marshall	--	--	--	--	--	--	3	3	--	8	--	--	--	--	2	--	*
Mason	1	--	--	--	--	1	107	1	--	2	--	--	--	--	15	*	1
McDonough	--	--	--	--	--	--	42	40	--	3	--	--	--	--	6	--	13
McHenry	--	--	--	--	17	17	25	5	--	11	--	11	--	--	12	--	2
Menard	*	--	--	--	*	*	1	1	--	--	--	*	--	--	*	*	*
Mercer	--	--	--	--	--	--	18	1	1	2	--	2	--	--	2	--	3
Morgan	--	--	--	--	--	--	29	1	--	1	--	--	--	--	5	--	1
Ogle	--	--	--	42	--	42	--	--	*	*	--	--	--	--	--	--	1
Peoria	--	--	--	--	--	--	4	2	--	2	--	--	--	--	1	--	3
Pike	--	--	--	--	--	--	65	19	1	29	--	4	--	--	27	--	6
Putnam	--	--	--	--	--	--	3	1	--	--	--	--	--	--	1	--	*
Rock Island	--	--	--	--	--	--	1	2	*	9	--	--	--	--	2	--	3
Sangamon	*	--	--	--	*	*	1	1	*	*	--	1	--	--	2	--	1
Schuyler	1	--	--	--	*	1	110	43	--	21	--	4	--	--	26	--	15
Scott	--	--	--	--	--	--	3	14	--	3	--	--	--	--	3	--	1
Stark	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*
Stephenson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--
Tazewell	--	--	--	--	--	--	4	1	--	2	--	--	--	--	--	--	*
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Whiteside	--	--	--	--	--	--	--	1	*	*	--	--	--	--	1	--	--
Will	--	--	--	--	5	5	--	--	--	--	--	--	--	--	--	--	--
Winnebago	--	--	--	--	--	--	3	1	--	--	--	--	--	--	3	--	*
Woodford	--	--	--	--	--	--	2	1	--	*	--	--	--	--	1	--	*
Total	4	1	--	44	73	122	984	268	5	231	--	78	--	--	305	*	126

(Table 16 continued on next page)

(Table 16 continued)

Unit and county	Red-cedar	Jack pine	Short-leaf pine	Red pine	White pine	Total soft-woods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hack-berry	Persim-mon	Beech	Ash	Honey-locust	Black walnut
SOUTHERN UNIT																	
Alexander	--	--	1	--	--	1	13	12	--	11	--	14	--	11	40	--	1
Franklin	--	--	--	--	--	--	109	1	6	106	--	9	--	--	28	--	*
Gallatin	--	--	--	--	--	--	14	7	1	10	2	4	--	--	6	--	*
Hamilton	--	--	--	--	--	--	35	1	*	58	*	1	--	--	7	--	--
Hardin	--	--	--	--	--	--	2	6	*	23	*	2	--	3	3	--	*
Jackson	--	--	--	--	--	--	76	23	9	90	--	9	*	--	58	--	2
Johnson	--	--	48	--	--	48	4	19	1	70	--	5	*	11	56	--	3
Massac	--	--	--	--	--	--	5	11	--	11	--	*	--	11	17	--	*
Perry	--	--	--	--	--	--	6	--	--	11	--	2	--	--	7	--	--
Pope	--	--	5	--	--	5	2	6	*	34	*	2	--	5	9	--	1
Pulaski	--	--	2	--	--	2	2	11	--	50	--	2	--	7	18	--	1
Randolph	--	--	--	--	--	--	7	5	1	2	--	2	*	--	9	--	1
Saline	--	--	--	--	--	--	54	3	*	29	*	1	--	3	5	--	--
Union	--	--	--	--	--	--	2	20	--	45	--	2	--	12	58	--	2
White	--	--	--	--	--	--	143	8	*	36	*	1	--	2	13	--	--
Williamson	--	--	--	--	--	--	--	1	--	1	--	--	--	4	51	--	*
Total	--	--	57	--	--	57	473	134	19	588	3	54	*	69	386	--	11
State total	4	1	57	44	73	179	2,296	959	149	1,528	6	333	*	72	1,749	*	204

(Table 16 continued on next page)

(Table 16 continued)

Unit and county	Sweet-gum	Yellow poplar	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
CLAYPAN UNIT																		
Bond	--	--	--	--	25	35	--	--	35	24	--	--	--	4	2	--	215	215
Calhoun	--	*	--	--	20	19	--	13	337	147	--	--	--	5	6	--	688	688
Clark	--	2	--	--	--	--	--	--	1	1	--	--	--	4	--	1	9	9
Clay	--	--	--	--	34	20	--	7	365	287	--	--	--	--	3	--	1,004	1,004
Clinton	--	8	--	--	13	14	--	--	356	290	--	--	--	4	5	--	1,031	1,031
Crawford	2	--	--	--	18	14	--	--	10	--	--	--	--	--	--	--	112	112
Cumberland	--	--	--	--	--	--	--	9	88	135	--	--	--	--	--	--	319	319
Edwards	*	1	--	--	3	4	--	--	17	3	--	--	--	--	*	--	36	36
Effingham	--	--	--	--	22	23	--	13	303	247	--	--	--	5	3	--	973	973
Fayette	--	1	--	--	32	32	--	7	407	324	*	--	1	--	4	--	1,172	1,172
Greene	--	*	--	--	2	7	--	3	78	25	--	--	--	4	4	--	180	180
Jasper	1	--	--	--	21	13	--	7	148	134	--	--	--	--	--	--	503	503
Jefferson	24	--	--	--	14	13	--	7	351	87	--	--	--	*	--	--	596	596
Jersey	--	3	--	--	4	12	--	5	98	87	--	--	--	14	7	--	319	319
Lawrence	3	*	--	--	26	45	--	--	51	*	--	--	--	--	--	*	203	203
Macoupin	--	1	--	--	1	12	--	21	585	1,092	--	--	--	1	22	--	1,774	1,774
Madison	--	--	--	--	1	8	--	4	36	35	*	--	2	4	3	--	116	116
Marion	--	9	--	--	37	16	--	8	439	480	*	--	1	2	4	--	1,358	1,358
Monroe	--	5	--	--	5	22	--	3	86	60	*	--	*	--	--	--	227	227
Montgomery	--	--	--	--	1	71	--	--	113	79	--	--	--	--	2	--	321	321
Richland	2	1	--	--	22	12	--	7	99	30	--	--	--	--	2	--	313	313
Shelby	--	3	--	--	--	--	--	--	205	187	--	--	--	1	--	--	519	519
St. Clair	--	4	--	--	5	22	--	1	109	70	*	--	*	--	*	--	302	302
Wabash	--	--	--	--	4	8	--	1	13	*	--	--	--	--	--	--	31	31
Washington	--	--	--	--	17	5	--	--	191	67	*	--	1	--	10	--	419	419
Wayne	18	53	--	2	31	49	--	8	550	196	*	--	1	2	3	--	1,226	1,226
Total	51	93	--	2	358	476	--	124	5,071	4,087	1	--	5	51	80	1	13,964	13,964
PRAIRIE UNIT																		
Adams	--	*	--	--	46	40	--	5	171	156	--	--	--	2	10	--	541	542
Boone	--	--	--	--	--	*	--	2	10	15	--	--	--	1	1	--	33	33
Brown	--	*	--	--	40	97	--	5	183	175	--	--	--	3	7	--	685	685
Bureau	--	--	--	--	--	1	*	1	--	6	--	--	--	--	--	--	16	16
Carroll	--	--	--	--	*	2	*	3	25	24	--	--	--	1	2	--	64	64
Cass	--	--	6	--	1	121	--	*	38	47	--	--	--	*	2	--	350	351
Champaign	--	--	--	--	--	--	--	--	7	4	--	--	--	--	--	--	13	13
Christian	--	--	1	--	--	1	--	*	2	2	--	--	--	*	*	*	9	9
Coles	--	--	--	--	3	2	--	1	63	61	--	--	--	--	--	--	197	197
Cook	--	--	--	--	--	8	--	11	5	5	--	11	--	11	11	--	125	142

PRAIRIE UNIT Continued

(Table 16 continued on next page)

(Table 16 continued)

Unit and county	Sweet-gum	Yellow poplar	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
PRAIRIE UNIT Continued																		
De Kalb	--	--	--	--	--	1	*	--	1	8	--	--	--	*	*	--	12	**12**
Du Page	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*	--	*	*
Fulton	--	--	--	--	1	87	--	1	238	239	--	--	--	9	*	--	781	**781**
Grundy	--	--	--	--	--	2	*	--	--	5	--	--	--	--	*	--	7	**7**
Hancock	--	--	--	--	46	56	--	4	82	84	--	--	--	2	7	--	348	**348**
Henderson	--	--	--	--	4	19	--	1	39	42	--	--	--	2	1	--	140	**140**
Henry	--	--	--	--	1	21	--	72	57	32	--	--	--	5	1	--	308	**308**
Jo Daviess	--	--	--	--	*	2	*	4	34	41	--	--	--	3	2	--	97	**97**
Kane	--	--	--	--	--	8	--	11	6	11	--	11	--	11	11	--	134	**150**
Knox	--	--	--	--	--	8	--	*	2	6	--	--	--	--	--	--	24	**24**
La Salle	--	--	--	--	*	1	*	1	2	4	--	--	--	--	*	--	10	**10**
Lake	--	--	--	--	--	8	--	11	7	7	--	11	--	11	12	--	133	**150**
Lee	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*	**3**
Logan	--	--	--	--	--	9	--	*	12	16	*	--	--	*	--	--	44	**45**
Marshall	--	--	--	--	*	--	--	--	11	7	--	--	--	--	*	--	26	**26**
Mason	--	--	6	--	--	102	--	--	33	42	*	--	--	--	2	--	312	**313**
McDonough	--	--	--	--	10	14	--	*	173	173	--	--	--	1	3	--	479	**479**
McHenry	--	--	--	--	--	8	--	13	14	14	--	11	--	12	12	--	149	**165**
Menard	--	--	--	--	*	*	--	*	1	*	*	--	--	1	--	--	5	**5**
Mercer	--	--	--	--	1	19	--	1	15	17	--	--	--	1	1	--	84	**84**
Morgan	--	--	--	--	1	48	--	--	16	20	--	--	--	--	--	--	123	**123**
Ogle	--	--	--	--	--	--	*	*	1	10	--	--	--	3	1	--	16	**58**
Peoria	--	--	--	--	--	9	--	1	20	24	--	--	--	--	--	--	65	**65**
Pike	--	1	--	--	46	67	--	6	324	266	--	--	--	3	8	--	871	**871**
Putnam	--	--	--	--	--	--	--	*	6	*	--	--	--	--	--	--	11	**11**
Rock Island	--	--	--	--	*	3	8	17	147	20	--	--	--	1	3	--	218	**218**
Sangamon	--	--	--	--	*	1	*	1	9	5	--	*	--	1	*	--	23	**23**
Schuyler	--	*	6	--	47	101	--	4	271	277	--	--	--	4	7	--	939	**940**
Scott	--	--	--	--	*	5	--	--	56	56	--	--	--	--	--	--	141	**141**
Stark	--	--	--	--	--	--	--	*	*	*	--	--	--	--	--	--	*	*
Stephenson	--	--	--	--	--	--	--	2	9	9	--	--	--	2	--	--	24	**24**
Tazewell	--	--	--	--	--	9	--	*	12	16	--	--	--	--	--	--	45	**45**
Warren	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	**1**
Whiteside	--	--	--	--	*	*	*	1	14	13	--	--	--	*	2	--	33	**33**
Will	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**5**
Winnebago	--	--	--	--	--	*	--	2	13	23	--	--	--	4	*	--	51	**51**
Woodford	--	--	--	--	--	--	--	*	*	*	--	--	--	--	--	--	5	**5**
Total	--	1	20	--	249	878	9	182	2,129	1,981	*	43	--	96	107	*	7,692	**7,814**

(Table 16 continued on next page)

(Table 16 continued)

Unit and county	Sweet-gum	Yellow poplar	Osage-orange	Tupelo	Syca-more	Cotton-wood	Aspen	Black cherry	Red oak group	White oak group	Black locust	Willow	Sassa-fras	Bass-wood	Elm	Other hard-woods	Total hard-woods	All species
SOUTHERN UNIT																		
Alexander	4	104	--	10	29	392	--	11	213	140	--	--	--	1	17	--	1,023	1,024
Franklin	23	2	--	--	9	28	--	--	620	43	--	4	--	--	25	--	1,012	1,012
Gallatin	4	9	--	1	8	12	--	1	102	29	--	--	--	1	1	--	211	211
Hamilton	3	5	--	1	3	33	--	*	451	20	--	--	--	1	*	--	618	618
Hardin	3	36	--	2	4	3	--	6	32	30	--	--	--	--	3	--	158	158
Jackson	3	43	--	--	4	7	--	2	503	125	1	--	4	--	5	--	964	964
Johnson	9	130	--	14	2	4	--	12	323	190	*	--	1	7	8	--	869	917
Massac	1	57	--	6	7	5	--	5	166	49	--	--	--	1	3	--	356	356
Perry	--	--	--	--	2	--	--	--	125	8	--	--	--	--	2	--	163	163
Pope	3	61	--	6	10	3	--	8	225	121	--	--	--	4	3	--	504	508
Pulaski	1	51	--	4	1	3	--	2	213	81	--	--	--	1	3	--	449	452
Randolph	--	12	--	--	2	33	--	2	52	48	*	--	1	--	--	--	177	177
Saline	16	20	--	5	14	22	--	*	265	61	--	--	--	2	*	--	501	501
Union	7	142	--	8	2	2	--	14	306	193	--	--	--	--	5	--	821	821
White	26	101	--	12	34	74	--	*	235	168	--	--	--	6	1	--	860	860
Williamson	2	32	--	2	1	--	--	4	14	17	--	--	--	--	*	--	128	128
Total	106	805	--	70	131	621	--	68	3,844	1,324	1	4	5	23	76	--	8,813	8,870
State total	157	899	20	72	738	1,975	9	373	11,044	7,392	1	47	10	170	263	1	30,470	30,649

Table 17.--Residue produced at primary wood-using mills by type of material type of use, and Forest Survey Unit, Illinois, 1996

(In thousand tons, green weight)

Survey Unit and type of use	Wood residue						Bark	
	Total		Coarse 1/		Fine 2/			
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
CLAYPAN UNIT								
Fiber products	--	53.75	--	53.75	--	--	--	--
Industrial fuel-mill	--	1.15	--	--	--	1.15	--	0.68
Industrial fuel-sold	--	2.62	--	0.34	--	2.28	--	0.45
Domestic fuel	*	52.01	*	50.87	--	1.14	*	20.67
Miscellaneous 3/	*	45.57	--	8.84	*	36.74	--	26.23
Not used	--	17.66	--	1.86	--	15.79	--	0.75
Total	*	172.76	*	115.66	*	57.10	*	48.79
PRAIRIE UNIT								
Fiber products	--	11.10	--	11.10	--	--	--	--
Industrial fuel-mill	--	10.69	--	8.67	--	2.02	--	1.30
Domestic fuel	0.08	21.39	0.08	21.11	--	0.28	0.01	4.10
Miscellaneous 3/	0.76	54.35	0.46	23.79	0.30	30.55	0.20	21.31
Not used	0.02	3.41	0.00	2.51	0.02	0.90	0.01	1.11
Total	0.86	100.93	0.54	67.18	0.31	33.75	0.22	27.81
SOUTHERN UNIT								
Fiber products	--	38.76	--	38.76	--	--	--	--
Charcoal	--	1.08	--	--	--	1.08	--	--
Industrial fuel-mill	--	4.31	--	--	--	4.31	--	--
Industrial fuel-sold	--	15.89	--	1.39	--	14.50	--	6.73
Domestic fuel	--	17.51	--	16.00	--	1.50	--	2.87
Miscellaneous 3/	--	6.46	--	--	--	6.46	--	14.08
Not used	--	7.54	--	1.16	--	6.37	--	0.50
Total	--	91.53	--	57.32	--	34.21	--	24.17
STATE TOTAL								
Fiber products	--	103.60	--	103.60	--	--	--	--
Charcoal	--	1.08	--	--	--	1.08	--	--
Industrial fuel-mill	--	16.15	--	8.67	--	7.48	--	1.98
Industrial fuel-sold	--	18.51	--	1.73	--	16.78	--	7.18
Domestic fuel	0.08	90.90	0.08	87.99	--	2.92	0.01	27.63
Miscellaneous 3/	0.76	106.38	0.46	32.63	0.30	73.75	0.20	61.62
Not used	0.02	28.60	0.00	5.54	0.02	23.06	0.01	2.36
Total	0.86	365.22	0.54	240.16	0.31	125.06	0.22	100.77

** = Less than 50 tons.*

1/ Suitable for chipping such as slabs, edgings, veneer cores, etc.

2/ Not suitable for chipping such as sawdust, vener clippings, etc.

3/ Livestock bedding, mulch, small dimension, and specialty items.

Rows and columns may not sum due to rounding.

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Hackett, Ronald L.; Sester, John A.
1998. **Illinois timber industry—an assessment of timber product output and use, 1996**. Resour. Bull. NC-192. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 67 p.

Discusses recent Illinois forest industry trends; production and receipts of saw logs, pulpwood, and veneer logs; and production of other timber products in 1996. Reports on harvest residue, on wood and bark residue generated at primary wood-using mills, and on disposition of this mill residue.

KEY WORDS: Saw logs, pulpwood, veneer logs, residue.

Our job at the North Central Forest Experiment Station is discovering and creating new knowledge and technology in the field of natural resources and conveying this information to the people who can use it. As a new generation of forests emerges in our region, managers are confronted with two unique challenges: (1) Dealing with the great diversity in composition, quality, and ownership of the forests, and (2) Reconciling the conflicting demands of the people who use them. Helping the forest manager meet these challenges while protecting the environment is what research at North Central is all about.